



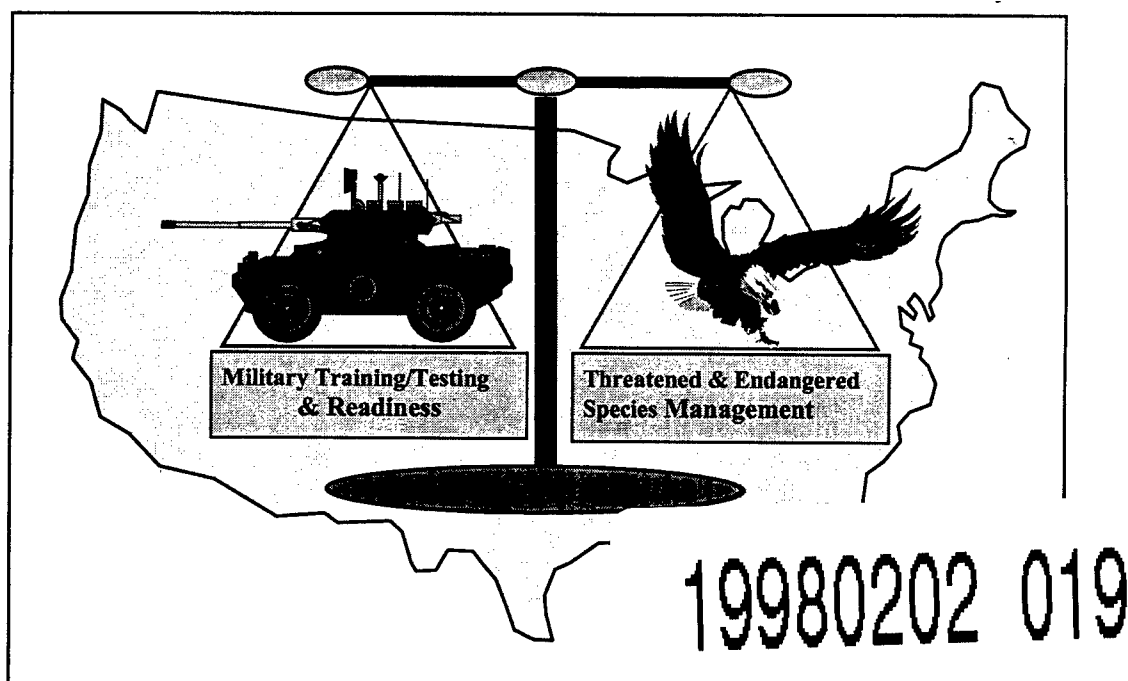
**US Army Corps
of Engineers**

Construction Engineering
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USACERL Technical Report 98/19
December 1997

Installation Summaries from the 1996 Survey of Threatened and Endangered Species on Army Lands

by
Eric R. Schreiber, Rachel A. Shaw, Alison Hill, and Mary A. Reed



In November of 1996, the Army conducted a survey of the Threatened and Endangered (T&E) species residing on and contiguous to its lands. This report, intended for installation use, provides quick access to basic information from the survey on the Federally Threatened, Endangered, Proposed, and Candidate (TEPC) species that occur on Army lands. In addition to a summary of Army-wide information, data is also provided at the installation level and the

species level. Installation level data provides information on all species which occur on each installation, while species level data lists all installations on which each species occurs. Corresponding information on Federal status, critical habitat, and endangered species management plans (ESMPs) are provided for each species, in addition to points-of-contact for each installation.

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Foreword

This study was conducted for the U.S. Army Environmental Center (AEC) and the Office of the Directorate of Environmental Programs (ODEP), Assistant Chief of Staff for Installation Management (ACSIM) under Military Interdepartmental Purchase Request (MIPR) No. 3176; Work Unit ND6, "1996 TES Survey, Phase 1: Survey Development and Administration," and MIPR No. 2357; Work Unit KG7, "1996 TES Survey, Phase 2: Analysis and Reporting." The technical monitor was Scott Belfit, SFIM-AEC-ECM.

The work was performed by the Natural Resource Assessment and Management Division (LL-N) of the Land Management Laboratory (LL), U.S. Army Construction Engineering Research Laboratories (USACERL). Mary A. Reed, U.S. Army Environmental Center, assisted in the technical review. The USACERL principal investigator was Dr. Alison Hill. Robert M. Lacey is Acting Chief, CECER-LL-N; Dr. William D. Severinghaus is Operations Chief, CECER-LL. The USACERL technical editor was Gloria J. Wienke, Technical Resources Center.

COL James A. Walter is Commander and Dr. Michael J. O'Connor is Director of USACERL.

Contents

SF 298	1
Foreword	2
1 Introduction	5
Background	5
Objectives	5
Approach	6
Scope	7
Mode of Technology Transfer	7
Updating of Data	7
2 Definitions	8
3 Summary Information	10
Installation Information	10
Species Information	10
Critical Habitat	13
Endangered Species Management Plans	13
References	15
Appendix A: Onsite and Contiguous TEPC Species, by Installation, with Corresponding Points-of-Contact	17
Appendix B: Critical Habitat and ESMP Status for Onsite and Contiguous TEPC Species, with Corresponding Installations	37
Distribution	

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1 Introduction

Background

The Army is required to protect state and Federally listed Threatened and Endangered (T&E) species on its lands (Army Regulation [AR] 420-74 1989). This requirement directly affects land use and management. The presence of T&E species can: (1) limit land uses, including training activities, (2) result in direct conflicts with the military mission, (3) require added financial and personnel resources to take affirmative action on behalf of listed species, and (4) involve state and Federal wildlife agencies in Army land use decision-making (Tazik, Sherman, and Courson 1991).

Compared with other Federal land management agencies, the military has a disproportionately large number of T&E species on its lands (Flather et al. 1994). In some instances, this has resulted in conflict between T&E conservation requirements and the installation commander's ability to train soldiers and test weapons and equipment to assure readiness. The Army must be able to determine the extent of potential T&E species problems in order to develop long-term management strategies while minimizing negative effects on training and testing. Because of the potential for conflict between T&E conservation and training/testing, the Office of the Directorate of Environmental Programs (ODEP) and the Army Environmental Center (AEC) are pursuing innovative ways to manage and monitor the number of T&E species on Army lands. Army leadership is committed to developing and supporting a reliable and comprehensive source of T&E species information to ensure compliance with the Endangered Species Act (ESA), Army policy, and training and testing readiness. Standardized annual T&E species data collection will allow the Army to respond to mandated information requests, and track the progress of T&E species management Army-wide (Shaw and Hill 1996).

Objectives

The objectives of this research were to:

- summarize available T&E species information from the 1996 TES survey,

- provide installations with a list of species having critical habitat and endangered species management plans, and
- provide points-of-contact for obtaining additional information.

Approach

The project consisted of two phases. Phase One was to develop a T&E survey for installations. Phase Two was to administer the survey and conduct analysis and reporting.

Phase One: Development of the Survey Instrument. The 10-month development process required substantial collaboration with the T&E Species Users Group, an advisory group consisting of members of ODEP, Army Major Commands (MACOMs), AEC, and the Office of the Deputy Chief of Staff for Operations and Plans (ODSCOP), and consultation with University of Illinois survey research experts. This phase required soliciting ideas and questions, facilitating discussions about the wording of the questions, coordinating the review of revisions, and pretesting by potential survey recipients.

Phase Two: Administration, Analysis, and Reporting. In November 1996, ODEP directed the MACOM Commanders to distribute the survey instructions and instrument, a glossary, a listing of species from the Federal Register, and a reference listing of species reported previously on installations. The packet was forwarded to installations, with a 45-day suspense. An accompanying memorandum suggested installation recipients assemble a team to fill out the survey. These key individuals might include personnel from the Directorate of Public Works (DPW) or equivalent, the Directorate of Plans and Training Mission (DPTM) or equivalent, and the Judge Advocate General (JAG) or compliance office that handle T&E issues.

A complete survey package went to all Army installations with the potential for T&E species. MACOMs assisted with determining installations having the potential for T&E species. MACOM information included acreage, known species occurrences, previous TES surveys, knowledge of the installation, etc. Installations were asked about Federally Threatened, Endangered, Proposed, and Candidate (TEPC) species known to reside on, or contiguous to, the installation. The survey consisted of approximately 50 questions. Questions asked for: (1) T&E management and compliance concerns, (2) training and testing restrictions/impacts due to T&E species, and (3) points-of-contact.

Scope

This report provides the 1996 overview of the T&E species on Army installations, and includes 248 distinct TEPC species (523 occurrences) for 201 Army installations, with corresponding information on critical habitat and endangered species management plans (ESMPs).

Mode of Technology Transfer

Headquarters, Department of the Army (HQDA) and MACOMS were provided raw data resulting from this survey. This report provides installations with summary TES information for future reference.

Updating of Data

The data is current as of January 10, 1997. Any incorrect species, misidentifications, changes in ESMP status, or new species not known at the time of the survey administration, will not be added, but will become part of the 1997 survey.

This report is the third of a series of three, with the intended audience being the Environmental and Training Managers at installations. The first report, titled *The 1996 Survey of Threatened and Endangered Species on Army Lands: A Summary Report* (Shaw, Schreiber, and Hill 1997), provides (HQDA) and MACOM summaries based on survey responses. The second report, titled *Threatened and Endangered Species on Army Installations: A MACOM Report* (Schreiber, Shaw, and Hill 1997), also provides HQDA and MACOM-level summaries; it includes installation profiles, specifying MACOM, county, point-of-contact, and a listing of all onsite and contiguous species by category, for each of the 201 installations responding to the survey.

2 Definitions

Several acronyms and terms are used consistently throughout this document. These terms are defined below:

Distinct Species — The term distinct species is synonymous with the term unique species. For example, the bald eagle is considered as one distinct or unique species, regardless of the number of installations on which it occurs. Distinct species may be calculated Army-wide, or within individual MACOMs. In either case, a particular species is counted only once.

Federal Status

- E - Federally Endangered
- T - Federally Threatened
- PE - Federally Proposed as Endangered
- PT - Federally Proposed as Threatened
- C - Candidate species for Federal listing

Installation — The term installation refers to active military installations, state National Guard Bureau (NGB) offices, NGB training sites, and regional support centers for the Army Reserve. In some cases, it was difficult to define "installation" data because some NGB state offices, for example, reported on a state-wide basis, while others reported for each training site in the state. Analyses in this report do not make a distinction between these types of locations.

Occurrence — An occurrence is a record of a species. A record refers to each time a species is recorded as being present on an installation and is synonymous with the term record in terms of the database. For example, if a bald eagle occurs on five installations it is recorded as five occurrences.

S/A — Similarity of Appearance. Certain species that closely resemble T&E species may be given the Federal status of the species they resemble. Similarity of appearance species are denoted with a T(S/A) or E(S/A). However, no distinction is made between S/A species and other T&E species.

Species Location

Both – Species known to occur both onsite and contiguous to the installation.

Contiguous– Species known to occupy or otherwise use habitat adjacent to an installation, which may be affected by installation military activities and land management practices.

Onsite – Species that have been documented within the boundaries of the installation.

T&E — The term T&E includes only Federally Threatened and Endangered species. These two statuses include S/A species.

TEP — The term TEP includes all Federally Threatened, Endangered, Proposed Threatened, and Proposed Endangered species on Army lands but does not include Candidate species.

TEPC — The term TEPC includes all Federally Threatened, Endangered, Proposed Threatened, Proposed Endangered, and Candidate species on Army lands. Subsequent analyses that use the term TEPC refer to the status of all species.

3 Summary Information

Installation Information

A total of 201 installations responded to the 1996 T&E species survey. Of those responding, 105 (52%) installations have onsite TEPC species, 84 (42%) installations have no TEPC species, and 12 (6%) installations have strictly contiguous species. Of the 105 installations with onsite TEPC species, 100 have T&E species.

The 201 installations include: 48 Army Materiel Command (AMC), 20 Forces Command (FORSCOM), 6 Military District of Washington (MDW), 4 Medical Command (MEDCOM), 3 Military Traffic Management Command (MTMC), 80 National Guard Bureau (NGB), 16 Training and Doctrine Command (TRADOC), 14 U.S. Army Reserve Command (USARC), 9 U.S. Army, Pacific (USARPAC), and 1 U.S. Military Academy (USMA).

Appendix A lists the 117¹ installations with onsite or contiguous TEPC species, with corresponding information on scientific name, common name, Federal status, category, occurrence, critical habitat, and ESMP status for each species.

Species Information

A total of 248 distinct onsite and contiguous TEPC species (523 occurrences) were identified on 117 (58%) of the installations surveyed. These 248 TEPC species include: 147 onsite² and contiguous species (265 occurrences), 54 onsite species (128 occurrences), and 47 contiguous species (130 occurrences) (see Table 1). Of the 201 distinct onsite TEPC species, 153 are T&E.

¹ This number includes 105 installations with onsite TEPC species and 12 installations with strictly contiguous TEPC species.

² It should be noted that some species listed as onsite may also occur contiguous to the installation.

Table 1. Installation and species summary information.

	Number of installations	Number of distinct species	Number of species occurrences
Totals	201	248	523
Onsite TEPC species	105	201	393
No TEPC species	84	0	0
Strictly contiguous species	12	47	130
Onsite T&E species*	100	153	430

* Onsite T&E species are independent of the overall TEPC species numbers and cannot be added.

Of the 248 distinct species, 64% are Endangered, 14% are Threatened, 13% are Proposed Endangered, 8% are Candidates, and 1% are Proposed Threatened (Figure 1). When listed by Category, 54% of the 248 distinct species are plants, 15% are birds, 7% are snails, 5% are reptiles, fish, and mammals, 3% are clams and insects, 2% are amphibians, and 1% are crustaceans (Figure 2).

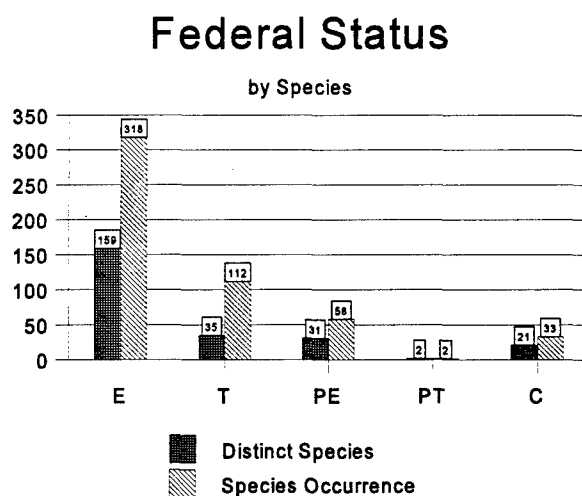


Figure 1. Federal status, by distinct species and species occurrence, for all species combined.

Distinct Species

by Category

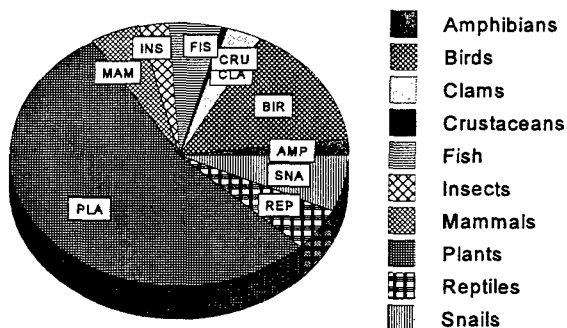


Figure 2. Distinct species, by category, for all species combined.

Of the 90 contiguous TEPC species, 67% are Endangered, 16% are Threatened, 9% are Candidates, 8% are Proposed Endangered, and 1% are Proposed Threatened (Figure 3). When divided by category, 37% of the contiguous species are plants, 24% are birds, 10% are fish, 8% are clams, 6% are mammals and reptiles, 4% are snails, 3% are insects, and 2% are amphibians (Figure 4).

Federal Status

Onsite vs. Contiguous

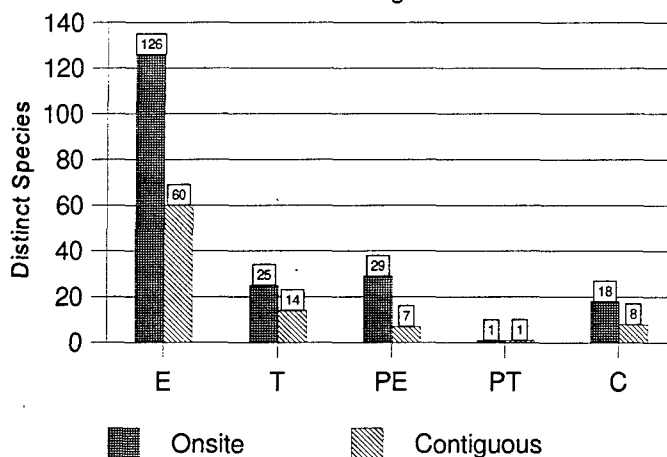


Figure 3. Distinct species, by Federal status, for onsite and contiguous species.

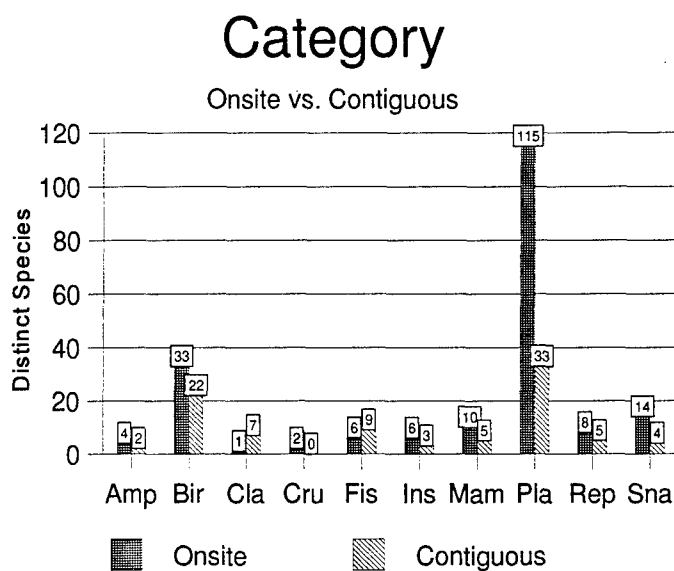


Figure 4. Distinct species, by category, for onsite and contiguous species.

Appendix B lists the 248 distinct onsite and contiguous TEPC species, with information on occurrence, critical habitat, and ESMP status for each of the corresponding installations.

Critical Habitat

Installations reported 21 distinct T&E species (32 occurrences) as having critical habitat. However, when checked against the Federal Register, only 5 species (6 occurrences) were confirmed as having critical habitat.³ Confirmed species with critical habitat include the Mexican spotted owl (Camp Navajo and Fort Huachuca), northern spotted owl (Fort Lewis), palila (Pohakuloa), desert tortoise (Fort Irwin), and the Oregon silverspot butterfly (Camp Rilea).

Endangered Species Management Plans

Of the 393 onsite Federal TEPC species occurrences, only 371 were considered "eligible" to have an endangered species management plan (ESMP). The term "eligible" refers to Federally Threatened, Endangered, and Proposed species (TEP), and assumes that Candidate species should not have an ESMP.

³ Unconfirmed records were changed in the database to reflect the status reported in the Federal Register.

Of the 371 "eligible" onsite TEP species occurrences, 219 (59%) have an ESMP that is currently under preparation or in process, 103 (28%) have not yet had an ESMP initiated, 36 (10%) have a completed ESMP, and 13 (4%) had no response.

The Army also had 46 contiguous TEP species occurrences that were considered "eligible" to have an ESMP. Of these occurrences, 40 (87%) have an ESMP that is currently under preparation or in process, and 6 (13%) have a completed ESMP.

References

Cited

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- Tazik, D.J., R.A. Sherman, and J.A. Courson, *Annotated Directory of Threatened and Endangered Wildlife on Selected U.S. Army Installations East of the Mississippi River*, Technical Report [TR] N-91/26 (USACERL, May 1991).

Appendix A: Onsite and Contiguous TEPC Species, by Installation, with Corresponding Points-of-Contact

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur
63rd RSC	USARC		C/O Tom Sinclair	404-629-8217	No Species				
65th RSC	USARC		C/O Tom Sinclair	404-629-8217	No Species				
77th RSC	USARC		C/O Tom Sinclair	404-629-8217	No Species				
88th RSC	USARC		C/O Tom Sinclair	404-629-8217	No Species				
90th RSC	USARC		C/O Tom Sinclair	404-629-8217	No Species				
94th RSC	USARC		C/O Tom Sinclair	404-629-8217	No Species				
96th RSC	USARC		C/O Tom Sinclair	404-629-8217	No Species				
124th RSC	USARC		C/O Tom Sinclair	404-629-8217	No Species				
Aahoaka & Wailua River LTA	NGB	HI	Melissa Dumarman	808-733-4265	Anas wyvilliana Gallinula chloropus sandvicensis Lasiurus cinereus semotus Puffinus auricularis newelli	Hawaiian Duck Hawaiian Gallinule Hawaiian Hoary Bat Newell's Townsend's Shearwater	E E E T	Bird Bird Mammal Bird	Onsite Onsite Both Both
Aberdeen Proving Ground	AMC	MD	James Pottie	410-671-4841	Acipenser brevirostrum Cicindela puritana Etheostoma sellare Falco peregrinus Haliaeetus leucocephalus	Shortnose Sturgeon Puritan Tiger Beetle Maryland Darter Peregrine Falcon Bald Eagle	E T E E(S/A) T	Fish Insect Fish Bird Bird	Contiguous Contiguous Contiguous Contiguous Both
Addicks Reservoir	NGB	TX	James Resner	512-465-5226	Hymenoxys texana	Texas Prairie Dawn-flower	E	Plant	Both
Adelphi Army Research Labs	AMC	MD	Robert Wardwell	301-394-1060	Haliaeetus leucocephalus	Bald Eagle	T	Bird	Onsite
AI-ARNG	NGB	AL	MAJ Wayne Sartwell	334-271-7427	No Species				
Alabama AAP	AMC	MI	C/O Rich Clewell	309-782-8252	No Species				
Anahola LTA	NGB	HI	Melissa Dumarman	808-733-4265	Anas wyvilliana	Hawaiian Duck	E	Bird	Both
Anniston Army Depot	AMC	AL	Billy Burns	205-235-4217	Xyris tennesseensis	Tennessee Yellow-eyed Grass	E	Plant	Both
Artemus TS	NGB	KY	SGM Harold Disney	606-546-7838	No Species				
Atterbury Reserve Forces TA	NGB	IN	Art Howard	812-526-1249	Haliaeetus leucocephalus	Bald Eagle	T	Bird	Both
Auburn TS	NGB	ME	MAJ Tim Bowman	207-626-4395	No Species				
Badger AAP	AMC	WI	Douglas Rhead	608-356-5525	Lespedeza leptostachya	Prairie Bush Clover	T	Plant	Contiguous
Bangor International Airport TS	NGB	ME	MAJ Tim Bowman	207-626-4395	No Species				
Bayonne Military Ocean Terminal	MTMC	MO	Leonard Wagner	201-823-7010	No Species				

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur
Bluegrass Army Depot	AMC	KY	Killye Haslett	606-625-6669	<i>Trifolium stoloniferum</i>	Running Buffalo Clover	E	Plant	Both
Camel Tracks	NGB	NM	Robert Concha	505-474-1809	No Species				
Camp Adair	NGB	OR	Greg Mitchell	503-945-3851	No Species				
Camp Ashland	NGB	NE	CPT Vic Siedler	402-944-2150	No Species				
Camp Berkeley	NGB	TX	James Resner	512-465-5226	<i>Vireo atricapillus</i>	Black-capped Vireo	E	Bird	Both
Camp Beauregard	NGB	LA	CW2 Carl Thompson	318-641-8309	<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Contiguous
Camp Blanding TS	NGB	FL	Philip Hall	904-533-3456	<i>Alligator mississippiensis</i>	American Alligator	T(S/A)	Reptile	Both
					<i>Aphelocoma coerulescens</i>	Florida Scrub Jay	T	Bird	Both
					<i>Drymarchon corais couperi</i>	Eastern Indigo Snake	T	Reptile	Both
					<i>Felis concolor coryi</i>	Florida Panther	E	Mammal	NR
					<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
					<i>Mycteria americana</i>	Wood Stork	E	Bird	Both
					<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Onsite
					<i>Rhododendron chapmanii</i>	Chapman's Rhododendron	E	Plant	Onsite
					<i>Ursus americanus floridanus</i>	Florida Black Bear	C	Mammal	Both
Camp Clark	NGB	MO	Eugene Young	573-526-9418	<i>Asclepias meadii</i>	Mead's Milkweed	T	Plant	Contiguous
Camp Crowder	NGB	MO	Eugene Young	573-526-9418	<i>Amblyopsis rosae</i>	Ozark Cavefish	T	Fish	Contiguous
					<i>Etheostoma cragini</i>	Arkansas Darter	C	Fish	Contiguous
					<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
					<i>Myotis grisescens</i>	Gray Bat	E	Mammal	Both
					<i>Nicrophorus americanus</i>	American Burying Beetle	E	Insect	Contiguous
Camp Dodge	NGB	IA	Mary Jones	515-252-4648	No Species				
Camp Grafton	NGB	ND	MAJ Gary Yanizer	701-224-5246	<i>Charadrius melodus</i>	Piping Plover	T	Bird	Both
Camp Grafton South	NGB	ND	MAJ Gary Yanizer	701-224-5246	No Species				
Camp Grayling	NGB	MI	Larry Jacobs	517-348-7621	<i>Dendroica kirtlandii</i>	Kirtland's Warbler	E	Bird	Both
					<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
					<i>Solidago houghtonii</i>	Houghton's Goldenrod	T	Plant	Both
Camp Gruber	NGB	OK	Nancy Davis	918-487-6223	<i>Nicrophorus americanus</i>	American Burying Beetle	E	Insect	Both
Camp Guernsey	NGB	WY	David Palmer	307-772-5285	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Contiguous
Camp Joseph T. Robinson	NGB	AR	Kerry Koehler	501-212-5886	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
Camp Maluhia LTA	NGB	HI	Melissa Dumanan	808-733-4265	No Species				
Camp McCain	NGB	MS	MAJ Robert Piazza	601-973-6109	No Species				
Camp Murray	NGB	WA	Ted Arnold	206-512-8904	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur
Camp Navajo Military Reservation	NGB	AZ	Christopher Pedersen	602-267-2464	<i>Clematis hirsutissima</i> var. <i>arizonica</i> <i>Falco peregrinus</i> <i>Haliaeetus leucocephalus</i> <i>Strix occidentalis lucida</i>	Arizona Leather Flower Peregrine Falcon Bald Eagle Mexican Spotted Owl	C E(S/A) T T	Plant Bird Bird Bird	Both Both Both Both
Camp Rilea	NGB	OR	Greg Mitchell	503-945-3851	<i>Speyeria zerene hippolyta</i>	Oregon Silverspot Butterfly	T	Insect	Onsite
Camp Ripley	NGB	MIN	Martin Skoglund	320-632-7201	<i>Canis lupus</i> <i>Haliaeetus leucocephalus</i>	Gray Wolf Bald Eagle	T T	Mammal Bird	Both Onsite
Camp Roberts	NGB	CA	Julie Eliason	805-238-8265	<i>Branchinecta lynchi</i> <i>Haliaeetus leucocephalus</i> <i>Vulpes macrotis mutica</i>	Vernal Pool Fairy Shrimp Bald Eagle San Joaquin Kit Fox	T T E	Crustacean Bird Mammal	Both Both Both
Camp San Luis Obispo	NGB	CA	Julie Eliason	805-238-8265	<i>Cirsium fontinale</i> var. <i>obispoense</i> <i>Rana aurora draytoni</i> <i>Vireo bellii pusillus</i>	Chorro Creek Bog Thistle California Red-legged Frog Least Bell's Vireo	E PE E	Plant Amphibian Bird	Both Both Onsite
Camp Shelby	NGB	MS	MAJ Robert Piazza	601-973-6109	<i>Gopherus polyphemus</i> <i>Isoetes louisianensis</i> <i>Picoides borealis</i>	Gopher Tortoise Louisiana Quillwort Red-cockaded Woodpecker	T E E	Reptile Plant Bird	Both Both Contiguous
Camp Smith	NGB	NY	MAJ Mark Warnecke	518-786-4318	<i>Acipenser brevirostrum</i> <i>Falco peregrinus</i> <i>Haliaeetus leucocephalus</i>	Shortnose Sturgeon Peregrine Falcon Bald Eagle	E E(S/A) T	Fish Bird Bird	Contiguous Contiguous Contiguous
Carlisle Barracks	TRADOC	PE			No Species				
Caswell TS	NGB	ME	MAJ Tim Bowman	207-626-4395	No Species				
Catoosa TS	NGB	GA	Jerry Mosley	706-935-4897	No Species				
Cedar City Armory	NGB	UT	Douglas Johnson	801-576-3960	<i>Cynomys parvidens</i>	Utah Prairie Dog	T	Mammal	Contiguous
Central Oregon TS	NGB	OR	Greg Mitchell	503-945-3851	No Species				
Charles Melvin Price Support Center	AMC	IL	C/O Rich Clewell	309-782-8252	No Species				
Clark County TS	NGB	NV	Loren Brazell	702-887-7276	<i>Empidonax traillii eximius</i> <i>Gopherus agassizii</i>	Southwestern Willow Flycatcher Desert Tortoise	E T	Bird Reptile	Both Both
Command Readiness Center	NGN	PR	CW2 Harry Francis	401-457-4234	No Species				
Cornhusker AAP	AMC	NE	Scott Smith	913-583-3000	No Species				
Delaware ARNG	NGB	DE	CPT Scott Ralph	302-326-7132	<i>Acipenser brevirostrum</i>	Shortnose Sturgeon	E	Fish	Contiguous
Detroit Arsenal	AMC	MI	C/O Rich Clewell	309-782-8252	No Species				
Devens RFTA	USARC	MA	Tom Poole	508-796-2747	<i>Falco peregrinus</i> <i>Haliaeetus leucocephalus</i>	Peregrine Falcon Bald Eagle	E(S/A) T	Bird Bird	Both Both

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur
Dillingham TA	USARPAC	HI	Steve Kim	808-656-2878	<i>Anas wyvilliana</i> <i>Cyperus trachysanthos</i> <i>Fulica americana alai</i> <i>Gallinula chloropus sandvicensis</i> <i>Hibiscus brackenridgei ssp.</i> <i>mokuleianus</i> <i>Himantopus mexicanus knudseni</i> <i>Monachus schauinslandi</i> <i>Nototrichium humile</i> <i>Schiedea kealiae</i>	Hawaiian Duck Pu'uka'a Hawaiian Coot Hawaiian Gallinule Ma'o Hau Hele Hawaiian Stilt Hawaiian Monk Seal Kulu'i Ma'oli'oli	E PE E E E E E E PE	Bird Plant Bird Bird Plant Bird Mammal Plant Plant	Both Onsite Both Both Contiguous Both Both Onsite Onsite
Dugway Proving Ground	AMC	UT	Scott Bates	801-831-3735	<i>Charadrius montanus</i> <i>Falco peregrinus anatum</i> <i>Haliaeetus leucocephalus</i> <i>Rana pretiosa</i> <i>Spiranthes diluvialis</i>	Mountain Plover American Peregrine Falcon Bald Eagle Spotted Frog Ute Ladies'-tresses	C E T C T	Bird Bird Bird Amphibian Plant	Contiguous Contiguous Both Contiguous Contiguous
Eastern Kentucky TS	NGB	KY	SGM Harold Disney	606-546-7838	No Species				
Ethan Allen Air Force Base TS	NGB	VT	MAJ Bouchard	802-654-0300	No Species				
Ethan allen Firing Range	NGB	VT	MAJ Bouchard	802-654-0300	No Species				
Fitzsimmons AMC	MEDCOM	CO	Gilbert Gonzalez	210-221-6441	No Species				
Ft. A.P. Hill	MDW	VA	Heather Mansfield	804-633-8417	<i>Haliaeetus leucocephalus</i> <i>Helonias bullata</i> <i>Isotria medeoloides</i>	Bald Eagle Swamp Pink Small Whorled Pogonia	T T T	Bird Plant Plant	Both Onsite Onsite
Ft. Belvoir	MDW	VA	Dorothy Keough	703-806-4007	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
Ft. Benning	TRADOC	GA	Randy Druckman	706-544-7319	<i>Alligator mississippiensis</i> <i>Haliaeetus leucocephalus</i> <i>Mycteria americana</i> <i>Picoides borealis</i> <i>Trillium reliquum</i>	American Alligator Bald Eagle Wood Stork Red-cockaded Woodpecker Relict Trillium	T(S/A) T E E E	Reptile Bird Bird Bird Plant	Both Both Both Onsite Onsite
Ft. Bliss	TRADOC	TX	Rafael Corral	915-568-6977	<i>Coryphantha sneedii var. sneedii</i> <i>Echinocereus fendleri var. kuenzleri</i> <i>Empidonax traillii extimus</i> <i>Falco femoralis septentrionalis</i> <i>Falco peregrinus anatum</i> <i>Haliaeetus leucocephalus</i> <i>Hedeoma todsenii</i> <i>Strix occidentalis lucida</i>	Sneed Pincushion Cactus Kuenzler Hedgehog Cactus Southwestern Willow Flycatcher Northern Aplomado Falcon American Peregrine Falcon Bald Eagle Todsens's Penmyroyal Mexican Spotted Owl	E E E E E T E T	Plant Plant Bird Bird Bird Plant Plant Bird	Both Contiguous Both Contiguous Both Both Contiguous Both

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur
Ft. Bragg	FORSCOM NC	Scott Bebb	910-432-5325		<i>Lysimachia asperulaefolia</i>	Rough-leaved Loosestrife	E	Plant	Both
					<i>Neonympha mitchellii francisci</i>	Saint Francis Satyr Butterfly	E	Insect	Onsite
					<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Both
					<i>Rhus michauxii</i>	Michaux's Sumac	E	Plant	Both
					<i>Schwalbea americana</i>	American Chaffseed	E	Plant	Both
Ft. Buchanan	FORSCOM PR	Tony Perez	787-273-3508		<i>Banara vanderbiltii</i>	Palo de Ramon	E	Plant	Onsite
					<i>Buxus vahlii</i>	Vahl Boxwood	E	Plant	Onsite
					<i>Daphnopsis hellerana</i>	No Common Name	E	Plant	Onsite
					<i>Epicrates inornatus</i>	Puerto Rican Boa	E	Reptile	Onsite
					<i>Ottoschulzia rhodoxylon</i>	Palo de Rosa	E	Plant	Onsite
Ft. Campbell	FORSCOM KY	Jeff Jones	502-798-9825		<i>Apios priceana</i>	Price's Potato Bean	T	Plant	Contiguous
					<i>Dromus dromas</i>	Dromedary Pearly Mussel	E	Clam	Contiguous
					<i>Epioblasma walkeri</i>	Tan Riffleshell	E	Clam	Contiguous
					<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Both
					<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
					<i>Lampsilis abrupta</i>	Pink Mucket Pearlymussel	E	Clam	Contiguous
					<i>Myotis grisescens</i>	Gray Bat	E	Mammal	Contiguous
					<i>Myotis sodalis</i>	Indiana Bat	E	Mammal	Contiguous
					<i>Nerodia erythrogaster neglecta</i>	Northern Copperbelly Water Snake	PT	Reptile	Contiguous
					<i>Obovaria retusa</i>	Ring Pink	E	Clam	Contiguous
					<i>Plethobasus cooperianus</i>	Orange Footed Pearly Mussel	E	Clam	Contiguous
					<i>Pleurobema plenum</i>	Rough Pigtoe	E	Clam	Contiguous
					<i>Quadrula fragosa</i>	Winged Mapleleaf Mussel	E	Clam	Contiguous
					<i>Charadrius montanus</i>	Mountain Plover	C	Bird	Both
					<i>Etheostoma cragini</i>	Arkansas Darter	C	Fish	Both
Ft. Carson	FORSCOM CO	Dave Anderson	715-526-4683		<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E	Bird	Both
					<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
					<i>Oncorhynchus clarki stomias</i>	Greenback Cutthroat Trout	T	Fish	Onsite
					<i>Spiranthes diluvialis</i>	Ute Ladies'-tresses	T	Plant	Onsite
					<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	T	Bird	Both
					<i>Nicrophorus americanus</i>	American Burying Beetle	E	Insect	Both
					No Species				
					No Species				
					No Species				
					No Species				
Ft. Chaffee	TRADOC AR	Jerry Sturdy	501-484-2883		<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Contiguous
					<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
					No Species				
Ft. Detrick	MEDCOM MD	Gilvert Gonzalez	210-221-6441		No Species				
					No Species				
					No Species				
Ft. Dix	FORSCOM NJ	Bert Bivings	404-669-7659		No Species				
					No Species				
					No Species				
Ft. Drum	FORSCOM NY	Bert Bivings	404-669-7659		No Species				
					No Species				
					No Species				
Ft. Eustis	TRADOC VA	Terry Sanders	757-878-2375		<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Contiguous
					<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
					No Species				
Ft. George G. Meade	MDW MD	Bill Harmyer	301-677-9648		No Species				
					No Species				
					No Species				
Ft. Gillem	FORSCOM GA	Bert Bivings	404-669-7659		No Species				
					No Species				
					No Species				

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur
Ft. Gordon	TRADOC	GA	Ken Boyd	706-791-2403	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
					<i>Mycteria americana</i>	Wood Stork	E	Bird	Onsite
					<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Onsite
Ft. Greely	USARPAC	AK	William Gossweiler	907-384-3017	<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E	Bird	Onsite
Ft. Hamilton	FORSCOM	NY	Bert Bivings	404-669-7659	No Species				
Ft. Hood	FORSCOM	TX	Dennis Herbert	817-287-2885	<i>Dendroica chrysoparia</i>	Golden-cheeked Warbler	E	Bird	Both
					<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Both
					<i>Grus americana</i>	Whooping Crane	E	Bird	Both
					<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
					<i>Vireo atricapillus</i>	Black-capped Vireo	E	Bird	Both
Ft. Huachuca	TRADOC	AZ	Sheridan Stone	520-533-7084	<i>Ambystoma californiense</i>	Ambystoma Californiense	C	Amphibian	Both
					<i>Empidonax traillii eximius</i>	Southwestern Willow Flycatcher	E	Bird	Contiguous
					<i>Erigeron lemmonii</i>	Lemmon Fleabane	C	Plant	Onsite
					<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Both
					<i>Leptonycteris curasoae verbabuenae</i>	Lesser Long-nosed Bat	E	Mammal	Both
					<i>Lilaeopsis schaffneriana</i>	Huachuca Water-umbel	PE	Plant	Both
					<i>ssp. recurva</i>				
					<i>Pyrgulopsis thompsoni</i>	Huachuca Springsnail	C	Snail	Both
					<i>Rana subaquavocalis</i>	Ramsey Canyon Leopard Frog	C	Amphibian	Both
					<i>Rumex orthoneurus</i>	Blumer's Dock	C	Plant	Both
					<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	T	Bird	Both
Ft. Hunter Liggett	USARC	CA	Liz Clark	408-386-2791	<i>Ambystoma californiense</i>	Ambystoma Californiense	C	Amphibian	Both
					<i>Branchinecta lynchi</i>	Vernal Pool Fairy Shrimp	T	Crustacean	Onsite
					<i>Bufo microscaphus californicus</i>	Arroyo Southwestern Toad	E	Amphibian	Onsite
					<i>Chlorogalum purpureum</i>	Purple Amole	C	Plant	Onsite
					<i>var. purpureum</i>				
					<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E	Bird	Both
					<i>Gymnogyps californianus</i>	California Condor	E	Bird	Contiguous
					<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
					<i>Rana aurora draytoni</i>	California Red-legged Frog	PE	Amphibian	Contiguous
					<i>Vireo bellii pusillus</i>	Least Bell's Vireo	E	Bird	Both
					<i>Vulpes macrotis mutica</i>	San Joaquin Kit Fox	E	Mammal	Both
Ft. Indiantown Gap	NGB	PE	Jeff Olsen	717-861-8342	No Species				
Ft. Irwin	FORSCOM	CA	Mickey Quillman	619-380-3740	<i>Astragalus jaegerianus</i>	Lane Mountain Milk Vetch	C	Plant	Both
					<i>Gopherus agassizii</i>	Desert Tortoise	T	Reptile	Both
Ft. Jackson	TRADOC	SC	Bruce Cole	803-751-7927	<i>Alligator mississippiensis</i>	American Alligator	T(S/A)	Reptile	Onsite
					<i>Echinacea laevigata</i>	Smooth Coneflower	E	Plant	Onsite
					<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
					<i>Lysimachia asperulaefolia</i>	Rough-leaved Loosestrife	E	Plant	Onsite
					<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Onsite

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur
Ft. Knox	TRADOC	KY	Donald Sheroan	502-624-7373	<i>Haliaeetus leucocephalus</i> <i>Myotis grisescens</i> <i>Myotis sodalis</i>	Bald Eagle Gray Bat Indiana Bat	T E E	Bird Mammal Mammal	Both Onsite Both
Ft. Lee	TRADOC	VA	Elizabeth Scholl	804-734-3560	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
Ft. Lewis	FORSCOM	WA	Gary Stedman	206-967-5337	<i>Haliaeetus leucocephalus</i> <i>Howellia aquatilis</i> <i>Rana pretiosa</i> <i>Salvelinus confluentus</i> <i>Strix occidentalis caurina</i>	Bald Eagle Water Howellia Spotted Frog Bull Trout Northern Spotted Owl	T T C C T	Bird Plant Amphibian Fish Bird	Both Both Both Contiguous Contiguous H
Ft. McClellan	TRADOC	AL	Bill Garland	205-848-7398	<i>Cyprinella caerulea</i> <i>Marshallia mohrii</i> <i>Myotis grisescens</i> <i>Picoides borealis</i> <i>Xyris tennesseensis</i>	Blue Shiner Mohr's Barbara Buttons Gray Bat Red-cockaded Woodpecker Tennessee Yellow-eyed Grass	T T E E E	Fish Plant Mammal Bird Plant	Both Onsite Both Contiguous Both
Ft. McCoy	USARC	WI	Tim Wilder	608-388-5459	<i>Canis lupus</i> <i>Falco peregrinus</i> <i>Haliaeetus leucocephalus</i> <i>Lycæides melissa samuelis</i>	Gray Wolf Peregrine Falcon Bald Eagle Karner Blue Butterfly	E E(S/A) T E	Mammal Bird Bird Insect	Contiguous Both Both Both
Ft. McNair	MDW	DC	Jewel Simmons	202-685-3387	No Species				
Ft. McPherson	FORSCOM	GA	Bert Bivings	404-669-7659	No Species				
Ft. Meyer	MDW	VA	Jewel Simmons	202-685-3387	No Species				
Ft. Monmouth	AMC	NJ	Dinkel Dasai	908-532-1475	No Species				
Ft. Monroe	TRADOC	VA	Bob Anderson	804-727-2077	No Species				
Ft. Pickett	USARC	VA	Alan Dyck	804-292-8501	<i>Haliaeetus leucocephalus</i> <i>Rhus michauxii</i>	Bald Eagle Michaux's Sumac	T E	Bird Plant	Both Onsite
Ft. Polk	FORSCOM	LA	Stephanie Stephens	318-531-6130	<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Both
Ft. Richardson	USARPAC	AK	William Gossweiler	907-384-3017	<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E	Bird	Onsite
Ft. Riley	FORSCOM	KS	Dave Jones	913-239-6211	<i>Charadrius melodus</i> <i>Falco peregrinus</i> <i>Haliaeetus leucocephalus</i> <i>Macrhybopsis gelida</i> <i>Notropis topeka</i> <i>Sterna antillarum</i>	Piping Plover Peregrine Falcon Bald Eagle Sturgeon Chub Topeka Shiner Least Tern	T E(S/A) T C C E	Bird Bird Bird Fish Fish Bird	Both Both Both Both Both Both
Ft. Ritchie	MDW	MD	Jewel Simmons	202-685-3387	No Species				
Ft. Rucker	TRADOC	AL	C. Mayo	334-255-2416	<i>Alligator mississippiensis</i> <i>Haliaeetus leucocephalus</i> <i>Myotis grisescens</i>	American Alligator Bald Eagle Gray Bat	T(S/A) T E	Reptile Bird Mammal	Both Contiguous Contiguous
Ft. Ruess	NGB	HI	Melissa Dumar	808-733-4265	<i>Cyperus trachysanthos</i>	Pu'uka'a	PE	Plant	Onsite

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur
Ft. Sam Houston	MEDCOM	TX	Jackie Schlatter	210-221-5093	<i>Dendroica chrysoparia</i> <i>Vireo atricapillus</i>	Golden-cheeked Warbler Black-capped Vireo	E E	Bird Bird	Both Both
Ft. Sill	TRADOC	OK	Glen Wampler	405-442-4324	<i>Vireo atricapillus</i>	Black-capped Vireo	E	Bird	Both
Ft. Stewart & Hunter Army Airfield	FORSCOM	GA	Tim Beaty	912-767-7261	<i>Acipenser brevirostrum</i> <i>Drymarchon corais couperi</i> <i>Haliaeetus leucocephalus</i> <i>Mycteria americana</i> <i>Picoides borealis</i>	Shortnose Sturgeon Eastern Indigo Snake Bald Eagle Wood Stork Red-cockaded Woodpecker	E T T E E	Fish Reptile Bird Bird Bird	Both Both Both Both Onsite
Ft. Totten	FORSCOM	NY	Bert Bivings	404-669-7659	No Species				
Ft. Wainwright	USARPAC	AK	William Gossweiler	907-384-3017	<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E	Bird	Onsite
Gardiner TS	NGB	ME	MAJ Tim Bowman	207-626-4395	No Species				
Grubbs/Kyle TC	NGB	TN	James Wicker	616-355-3778	No Species				
Hancock Army Complex	FORSCOM	NY	Bert Bivings	404-669-7659	No Species				
Hastings TS	NGB	NE	MAJ David Peterson	402-463-7192	No Species				
Hawthorne Army Depot	AMC	NV	Jim Purrell	702-945-7590	No Species				
Hollis Plains TS	NGB	ME	MAJ Tim Bowman	207-626-4395	No Species				
Holston AAP	AMC	TN	Gregory Lee	423-578-6276	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
Indiana AAP	AMC	IN	Walt McClellan	812-284-7616	<i>Myotis grisescens</i> <i>Myotis sodalis</i>	Gray Bat Indiana Bat	E E	Mammal Mammal	Contiguous Contiguous
Iowa AAP	AMC	IA	Joe Haffner	319-753-7903	No Species				
Jefferson Proving Ground	AMC	IN	Ken Knouf	812-273-2551	<i>Delissea subcordata</i> <i>Myotis sodalis</i>	'Oha Indiana Bat	PE E	Bird Mammal	Onsite Onsite
John Sevier Range	NGB	TN	Vernon Callahan	615-423-6655	No Species				
Joliet AAP	AMC	IL	Arthur Holz	815-423-2877	No Species				

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur
Kahuku TA	USARPAC	HI	Steve Kim	808-656-2878	<i>Achatinella curta</i>	Pupu Kuahiwi	E	Snail	Contiguous
					<i>Achatinella dimorpha</i>	Pupu Kuahiwi	E	Snail	Contiguous
					<i>Achatinella sowerbyana</i>	Pupu Kuahiwi	E	Snail	Contiguous
					<i>Achatinella valida</i>	Pupu Kuahiwi	E	Snail	Contiguous
					<i>Adenophorus periens</i>	No Common Name	E	Plant	Onsite
					<i>Chamaesyce rockii</i>	Akoko	PE	Plant	Contiguous
					<i>Chasiempis sandwicensis ibidis</i>	Oahu 'Elepaio	C	Bird	Contiguous
					<i>Cyanea grimesiana ssp. grimesiana</i>	Haha Oha	E	Plant	Contiguous
					<i>Cyanea koolauensis</i>	Haha Oha	PE	Plant	Both
					<i>Cyanea longiflora</i>	Haha Oha	PE	Plant	Both
					<i>Eugenia koolauensis</i>	Nioi	E	Plant	Onsite
					<i>Gardenia mannii</i>	Nanu	PE	Plant	Both
					<i>Hesperomannia arborescens</i>	No Common Name	E	Plant	Both
					<i>Phyllostegia hirsuta</i>	No Common Name	PE	Plant	Contiguous
					<i>Solanum sandwicense</i>	Popolo 'Aiakeakua	E	Plant	Contiguous
					<i>Tetraplasandra gymnocarpa</i>	'Ohe'ohe	E	Plant	Both
Kanalo LTA	NGB	HI	Melissa Dumar	808-733-4265	<i>Manduca blackburni</i>	Blackburn's Sphinx Moth	C	Insect	Onsite
					<i>Pterodroma phaeopygia sandwicensis</i>	Hawaiian Dark-rumped Petrel	E	Bird	Onsite
					<i>Sesbania tomentosa</i>	Ohai	E	Plant	Onsite
Kansas AAP	AMC	KS	Alan Hrynek	316-421-7427	No Species				

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur
Kawailoa TA	USARPAC	HI	Steve Kim	808-656-2878	<i>Achatinella rosea</i>	Pupu Kuahiwi	E	Snail	Onsite
					<i>Achatinella apexfulva</i>	Pupu Kuahiwi	E	Snail	Onsite
					<i>Achatinella bulimoides</i>	Pupu Kuahiwi	E	Snail	Onsite
					<i>Achatinella byronii</i>	Pupu Kuahiwi	E	Snail	Both
					<i>Achatinella decipiens</i>	Pupu Kuahiwi	E	Snail	Both
					<i>Achatinella leucoraphe</i>	Pupu Kuahiwi	E	Snail	Onsite
					<i>Achatinella lila</i>	Pupu Kuahiwi	E	Snail	Both
					<i>Achatinella livida</i>	Pupu Kuahiwi	E	Snail	Both
					<i>Achatinella pulcherrima</i>	Pupu Kuahiwi	E	Snail	Onsite
					<i>Achatinella sowerbyana</i>	Pupu Kuahiwi	E	Snail	Both
					<i>Achatinella swiftii</i>	Pupu Kuahiwi	E	Snail	Onsite
					<i>Adenophorus periens</i>	No Common Name	E	Plant	Onsite
					<i>Chamaesyce rockii</i>	Akoko	PE	Plant	Both
					<i>Chasiempis sandwicensis ibidis</i>	Oahu 'Elepaio	C	Bird	Both
					<i>Cyanea acuminata</i>	Haha Oha	PE	Plant	Both
					<i>Cyanea grimesiana ssp. grimesiana</i>	Haha Oha	E	Plant	Both
					<i>Cyanea koolauensis</i>	Haha Oha	PE	Plant	Both
					<i>Cyanea longiflora</i>	Haha Oha	PE	Plant	Both
					<i>Cyrtandra dentata</i>	Ha'i'wale	PE	Plant	Onsite
					<i>Cyrtandra viridiflora</i>	Ha'i'wale	PE	Plant	Both
					<i>Delissea subcordata</i>	'Oha	PE	Plant	Both
					<i>Eugenia koolauensis</i>	Nioi	PE	Plant	Contiguous
					<i>Gardenia mannii</i>	Nanu	E	Plant	Contiguous
					<i>Hesperomannia arborescens</i>	No Common Name	PE	Plant	Both
					<i>Labordia cyrtandrae</i>	Kamakahala	E	Plant	Both
					<i>Lasiurus cinereus semotus</i>	Hawaiian Hoary Bat	PE	Plant	Both
					<i>Lobelia gaudichaudii</i>	Haha Oha	E	Mammal	Both
					<i>ssp. koolauensis</i>	Haha Oha	PE	Plant	Both
					<i>Lobelia oahuensis</i>	Haha Oha	E	Plant	Both
					<i>Lycopodium nutans</i>	Wawae 'ole	E	Plant	Onsite
					<i>Melicope lydgatei</i>	Alani	E	Plant	Onsite
					<i>Myrsine juddii</i>	Kolea	PE	Plant	Both
					<i>Paroreomyza flammea</i>	Molokai Creeper	E	Bird	Both
					<i>Phyllostegia hirsuta</i>	No Common Name	PE	Plant	Onsite
					<i>Phyllostegia parviflora var. parviflora</i>	No Common Name	E	Plant	Onsite
					<i>Plantago princeps</i>	Laukahi Kuahiwi	E	Plant	Both
					<i>var. longibracteata</i>				
					<i>Platanthera holochila</i>	No Common Name	PE	Plant	Contiguous
					<i>Pteris lidgatei</i>	No Common Name	E	Plant	Onsite
					<i>Rollandia crispa</i>	Haha Oha	E	Plant	Both
					<i>Sanicula purpurea</i>	No Common Name	PE	Plant	Both
					<i>Tetraplasandra gymnocarpa</i>	'Ohe 'ohe	E	Plant	Both
					<i>Viola oahuensis</i>	No Common Name	PE	Plant	Both

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur
Makua Military Reservation	USARPAC	HI	Steve Kim	808-656-2878	<i>Achatinella mustelina</i>	Pupu Kuahiwi	E	Snail	Both
					<i>Alectryon macrococcus</i> var. <i>macrococcus</i>	Mahoe Ala'alahua	E	Plant	Both
					<i>Alsinidendron obovatum</i>	No Common Name	E	Plant	Both
					<i>Bonania menziesii</i>	No Common Name	E	Plant	Onsite
					<i>Caesalpinia kavaiense</i>	Uhiuhi	E	Plant	Onsite
					<i>Cenchrus agrimonoides</i>	Kamanomano	PE	Plant	Onsite
					<i>Chasiempis sandwichensis ibidis</i>	Oahu 'Elepaio	C	Bird	Both
					<i>Ctenitis squamigera</i>	Pauoa	E	Plant	Contiguous
					<i>Cyanea superba</i> ssp. <i>superba</i>	Oha	E	Plant	Onsite
					<i>Delissea subcordata</i>	Oha	PE	Plant	Contiguous
					<i>Diellia falcata</i>	No Common Name	E	Plant	Both
					<i>Dubautia herbstobatae</i>	Na'ena'e	E	Plant	Both
					<i>Euphorbia haelealeana</i>	Akoko	PE	Plant	Onsite
					<i>Flueggea neowawraea</i>	Mehamehame	E	Plant	Onsite
					<i>Hedyotis parvula</i>	No Common Name	E	Plant	Both
					<i>Lepidium arbuscula</i>	Anaunau	PE	Plant	Both
					<i>Lipochaeta tenuifolia</i>	Nehe	E	Plant	Onsite
					<i>Lobelia niihauensis</i>	Haha Oha	E	Plant	Contiguous
					<i>Neraudia angulata</i> var. <i>angulata</i>	Ma'aloo	E	Plant	Onsite
					<i>Neraudia angulata</i> var. <i>dentata</i>	Ma'aloo	E	Plant	Onsite
					<i>Nototrichium humile</i>	Kulu'i	E	Plant	Both
					<i>Paroreomyza flammea</i>	Molokai Creeper	E	Bird	Both
					<i>Plantago princeps</i> var. <i>princeps</i>	Laukahi Kuahiwi	E	Plant	Both
					<i>Pritchardia kaalae</i>	Loulu	PE	Plant	Onsite
					<i>Sanicula maritima</i>	No Common Name	E	Plant	Both
					<i>Schiedea hookeri</i>	No Common Name	PE	Plant	Both
					<i>Schiedea nuttallii</i>	No Common Name	PE	Plant	Onsite
					<i>Silene lanceolata</i>	Lanceleaf Catchfly	E	Plant	Onsite
					<i>Spermolepis hawaiiensis</i>	Hawaiian Parsley	E	Plant	Both
					<i>Tetramolopium filiforme</i>	No Common Name	E	Plant	Both
					var. <i>polyphyllum</i>	No Common Name	E	Plant	Contiguous
					<i>Tetramolopium lepidotum</i>	No Common Name	E	Plant	Contiguous
					ssp. <i>lepidotum</i>	No Common Name	E	Plant	Contiguous
					<i>Viola chamissoniana</i>	Pamakani	E	Plant	Onsite
					ssp. <i>chamissoniana</i>	Pamakani	E	Plant	Onsite
Marseilles TA	NGB	IL	Jon Casebeer	217-785-3592	No Species				
Martinez Reserve Center	USARC	FL	John Nettles	305-378-4822	<i>Chamaesyce deltoidea</i> ssp. <i>deltoidea</i>	Deltoide Spurge	E	Plant	Both
McAlester AAP	AMC	OK	Bill Stary	918-421-2611	<i>Nicrophorus americanus</i>	American Burying Beetle	E	Insect	Both
Mead TS	NGB	NE	CPT Vic Siedler	402-944-2150	No Species				
Milan AAP	AMC	TN	Cooper Stephens	901-686-6611	No Species				

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur
Milari TS	NGB	TN	Jerry Yearwood	901-783-3975	No Species				
Natick RD&E Center	AMC	MA	C/O Rich Clewell	309-782-8252	No Species				
NE-ARNG	NGB	NE	CPT David Wunibald	402-471-7136	No Species				
New Jersey National Guard	NGB	NJ	Dean Arrighi	609-530-7136	No Species				
Newport Chemical Depot	AMC	IN	Phillip Cox	317-245-4324	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
Oakland Army Base	MTMC	CA	Richard Andrews	510-466-2694	No Species				
Orchard TA	NGB	ID	Dana Quinney	208-422-4181	No Species				
Parks RFTA	USARC	CA	Marshall Mark	510-803-5638	<i>Rana aurora draytoni</i> <i>Vulpes macrotis mulica</i>	California Red-legged Frog San Joaquin Kit Fox	PE E	Amphibian Mammal	Both Contiguous
Picatinny Arsenal Tacom-ARDEC	AMC	NJ	Jon Vandeventer	201-724-4691	<i>Clemmys muhlenbergii</i> <i>Falco peregrinus anatum</i> <i>Haliaeetus leucocephalus</i> <i>Myotis sodalis</i>	Bog (Northern Population) Turtle American Peregrine Falcon Bald Eagle Indiana Bat	C E T E	Reptile Bird Bird Mammal	Contiguous Both Both Both
Pine Bluff Arsenal	AMC	AR	Charles Becker	501-540-2834	<i>Alligator mississippiensis</i> <i>Haliaeetus leucocephalus</i>	American Alligator Bald Eagle	T(S/A) T	Reptile Bird	Both Both
Pinon Canyon Maneuver Site	FORSCOM	CO	Dave Anderson	715-526-4683	<i>Charadrius montanus</i> <i>Falco peregrinus anatum</i> <i>Haliaeetus leucocephalus</i> <i>Vulpes velox</i>	Mountain Plover American Peregrine Falcon Bald Eagle Swift Fox	C E T C	Bird Bird Bird Mammal	Both Both Both Both
Plymouth TS	NGB	ME	MAJ Tim Bowman	207-626-4395	No Species				

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur
Pohakuloa TA	USARPAC	HI	Trisha Tierney	808-969-3340	<i>Asplenium fragile</i> var. <i>insulare</i>	Fragile Fern	E	Plant	Onsite
					<i>Buteo solitarius</i>	Hawaiian Hawk	E	Bird	Both
					<i>Corvus hawaiiensis</i>	Alala Hawaiian Crow	E	Bird	Contiguous
					<i>Haplostachys haplostachya</i>	No Common Name	E	Plant	Both
					<i>Hedyotis coriacea</i>	Kio'ele	E	Plant	Onsite
					<i>Hemignathus munroi</i>	'Akiapola'au	E	Bird	Both
					<i>Lasiurus cinereus semotus</i>	Hawaiian Hoary Bat	E	Mammal	Both
					<i>Loxioides bailleui</i>	Palila	E	Bird	Both
					<i>Loxops coccineus coccineus</i>	Hawaii 'Akepa	E	Bird	Both
					<i>Nerodia ovata</i>	Ma'aloua	PE	Plant	Onsite
					<i>Nesochen sandvicensis</i>	Hawaiian Goose	E	Bird	Both
					<i>Oreomystis mana</i>	Hawaii Creeper	E	Bird	Contiguous
					<i>Portulaca sclerocarpa</i>	Po'e	E	Plant	Both
					<i>Psittirostra psittacea</i>	O'u	E	Bird	Contiguous
					<i>Pterodroma phaeopygia</i>	Hawaiian Dark-rumped Petrel	E	Bird	Contiguous
					<i>sandwichensis</i>				
					<i>Silene hawaiiensis</i>	Hawaiian Catchfly	T	Plant	Onsite
					<i>Silene lanceolata</i>	Lanceleaf Catchfly	E	Plant	Onsite
					<i>Solanum incompletum</i>	Spiny Popolo	E	Plant	Onsite
					<i>Spermolepis hawaiiensis</i>	Hawaiian Parsley	E	Plant	Onsite
					<i>Stenogyne angustifolia</i>	No Common Name	E	Plant	Onsite
					<i>Tetramolopium arenarium</i>	Mauna Kea Pamakani	E	Plant	Onsite
					<i>Zanthoxylum hawaiiense</i>	A'e	E	Plant	Both
Pom Annex	TRADOC	CA	Jane Holte	408-242-7917	<i>Anniella pulchra nigra</i>	California Black Legless Lizard	PE	Reptile	Both
					<i>Charadrius alexandrinus nivosus</i>	Western Snowy Plover	T	Bird	Both
					<i>Chorizanthe pungens</i> var. <i>pungens</i>	Monterey Spineflower	T	Plant	Both
					<i>Chorizanthe robusta</i>	Robust Spineflower	E	Plant	Both
					<i>Euphilotes enoptes smithi</i>	Smith's Blue Butterfly	E	Insect	Both
					<i>Gilia tenuiflora</i> ssp. <i>arenaria</i>	Monterey Sand Gilia	E	Plant	Both
					<i>Piperia yadonii</i>	Yadon's Piperia	PE	Plant	Both
					<i>Rana aurora draytoni</i>	California Red-legged Frog	PE	Amphibian	Contiguous
Presidio of Monterey	TRADOC	CA	Jane Holte	408-242-7917	<i>Piperia yadonii</i>	Yadon's Piperia	PE	Plant	Both
Pueblo Depot Activity	AMC	CO	C/O Rich Clewell	309-782-8252	No Species				

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur
Pu'u Pa LTA	NGB	HI	Melissa Dumar	808-733-4265	<i>Buteo solitarius</i>	Hawaiian Hawk	E	Bird	Onsite
					<i>Colubrina oppositifolia</i>	Kaula	E	Plant	Onsite
					<i>Lasitrus cinereus semotus</i>	Hawaiian Hoary Bat	E	Mammal	Onsite
					<i>Lipochaeta venosa</i>	No Common Name	E	Plant	Onsite
					<i>Loxops coccineus coccineus</i>	Hawaii 'Akepa	E	Bird	Onsite
					<i>Nothoestrum breviflorum</i>	Aiea	E	Plant	Onsite
					<i>Oreomystis mana</i>	Hawaii Creeper	E	Bird	Onsite
					<i>Portulaca sclerocarpa</i>	Po'e	E	Plant	Onsite
					<i>Stenogyne angustifolia</i>	No Common Name	E	Plant	Onsite
					<i>Tetramolopium arenarium</i> <i>arenarium</i>	No Common Name	E	Plant	Onsite
Radford AAP	AMC	VA	Charles Chase	540-693-8649	<i>Echinacea laevigata</i>	Smooth Coneflower	E	Plant	Contiguous
Ravenna AAP	AMC	OH	Tim Morgan	330-358-7311	<i>Polygiscus virginianus</i>	Virginia Fringed Mountain Snail	E	Snail	Both
					<i>Aconitum noveboracense</i>	Northern Wild Monkshood	T	Plant	Contiguous
					<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Contiguous
					<i>Myotis sodalis</i>	Indiana Bat	E	Mammal	Contiguous
Red River Army Depot	AMC	TX	Bennie Murray	903-334-2379	No Species				
Redstone Arsenal	AMC	AL	Danny Dunn	205-955-6970	<i>Alligator mississippiensis</i>	American Alligator	T(S/A)	Reptile	Both
					<i>Apios priceana</i>	Price's Potato Bean	T	Plant	Onsite
					<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E	Bird	Both
					<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
					<i>Myotis grisescens</i>	Gray Bat	E	Mammal	Both
					<i>Palaemonias alabamiae</i>	Alabama Cave Shrimp	E	Crustacean	Both
Regional Training Institute	NGB	NH	Zachary Boyajian	603-228-1135	<i>Isotria medeoloides</i>	Small Whorled Pogonia	T	Plant	Contiguous
Riley-Bog Brook TS	NGB	ME	MAJ Tim Bowman	207-626-4395	No Species				
Rock Island Arsenal	AMC	IL	Rich Todd	309-782-2045	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
Savanna Army Depot Activity	AMC	IL	Bob Speaker	815-273-8533	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
					<i>Lampsilis higginsii</i>	Higgins' Eye Pearlymussel	E	Clam	Both
					<i>Myotis sodalis</i>	Indiana Bat	E	Mammal	Contiguous

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur
Schofield Barracks Military Reservation	USARPAC	HI	Steve Kim	808-656-2878	<i>Abutilon sandwicense</i>	No Common Name	E	Plant	Contiguous
					<i>Achatinella apextulva</i>	Pupu Kuahiwi	E	Snail	Onsite
					<i>Achatinella byronii</i>	Pupu Kuahiwi	E	Snail	Both
					<i>Achatinella decipiens</i>	Pupu Kuahiwi	E	Snail	Both
					<i>Achatinella leucorraphe</i>	Pupu Kuahiwi	E	Snail	Both
					<i>Achatinella mustelina</i>	Pupu Kuahiwi	E	Snail	Both
					<i>Achatinella sowerbyana</i>	Pupu Kuahiwi	E	Snail	Both
					<i>Achatinella swiftii</i>	Pupu Kuahiwi	E	Snail	Both
					<i>Alectryon macrococcus</i> var. <i>macrococcus</i>	Mahoe Ala'alahua	E	Plant	Both
					<i>Alsinidendron trinerve</i>	No Common Name	E	Plant	Both
					<i>Cenchrus agrimonoides</i>	Kamanomano	PE	Plant	Onsite
					<i>Chamaesyce rockii</i>	Akoko	PE	Plant	Both
					<i>Chastempis sandwicensis ibidis</i>	Oahu 'Elepaio	C	Bird	Both
					<i>Ctenitis squamigera</i>	Paoua	E	Plant	Contiguous
					<i>Cyanea acuminata</i>	Haha Oha	PE	Plant	Both
					<i>Cyanea grimesiana ssp. grimesiana</i>	Haha Oha	E	Plant	Both
					<i>Cyanea grimesiana ssp. obatae</i>	Haha Oha	E	Plant	Contiguous
					<i>Cyanea koolauensis</i>	Haha Oha	PE	Plant	Both
					<i>Cyanea longiflora</i>	Haha Oha	PE	Plant	Both
					<i>Cyanea superba ssp. superba</i>	Oha	E	Plant	Onsite
					<i>Cyrtandra subumbellata</i>	Haha Oha	PE	Plant	Both
					<i>Delissea subcordata</i>	Haha Oha	PE	Plant	Contiguous
					<i>Diellia falcata</i>	Haha Oha	PE	Plant	Both
					<i>Diplazium molokaiense</i>	No Common Name	E	Plant	Both
					<i>Eragrostis fosbergii</i>	No Common Name	E	Plant	Contiguous
					<i>Flueggea neowawraea</i>	Fosberg's Love Grass	PE	Plant	Contiguous
					<i>Gardenia mannii</i>	Mehamehame	E	Plant	Contiguous
					<i>Hesperomannia arborescens</i>	Nanu	PE	Plant	Both
					<i>Isodendron laurifolium</i>	No Common Name	E	Plant	Both
					<i>Labordia cyrtandrae</i>	Aupaka	PE	Plant	Both
					<i>Lasiurus cinereus semotus</i>	Kamakahala	PE	Plant	Onsite
					<i>Lepidium arbuscula</i>	Hawaiian Hoary Bat	E	Mammal	Both
					<i>Lipochaeta lobata var. leptophylla</i>	Anaunau	PE	Plant	Both
					<i>Lobelia niihauensis</i>	Nehe	E	Plant	Contiguous
					<i>Lobelia oahuensis</i>	Haha Oha	E	Plant	Both
					<i>Lycopodium nutans</i>	Haha Oha	E	Plant	Both
					<i>Neraudia angulata var. angulata</i>	Wawae'ole	E	Plant	Contiguous
					<i>Neraudia angulata var. dentata</i>	Ma'aloa	E	Plant	Onsite
					<i>Nototrichium humile</i>	Ma'aloa	E	Plant	Onsite
					<i>Paroreomyza flammea</i>	Kulu'i	E	Plant	Contiguous
					<i>Phyllostegia hirsuta</i>	Molokai Creeper	E	Bird	Both
					<i>Phyllostegia mollis</i>	No Common Name	PE	Plant	Both
					<i>Pritchardia kaalae</i>	No Common Name	E	Plant	Contiguous
						Loulu	PE	Plant	Contiguous

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur
Schofield Barracks Military Reservation (Cont'd)	USARPAC	HI	Steven Kim	808-656-2878	<i>Pteris lidgatei</i>	No Common Name	E	Plant	Onsite
					<i>Sanicula purpurea</i>	No Common Name	PE	Plant	Both
					<i>Schiedtea hookeri</i>	No Common Name	PE	Plant	Both
					<i>Schiedtea nuttallii</i>	No Common Name	PE	Plant	Contiguous
					<i>Solanum sandwicense</i>	Popolo 'Aiakaekua	E	Plant	Contiguous
					<i>Stenogyne kanehoana</i>	No Common Name	E	Plant	Contiguous
					<i>Tetramolopium lepidotum</i>	No Common Name	E	Plant	Contiguous
					<i>ssp. lepidotum</i>				
					<i>Tetraplasandra gymnocarpa</i>	'Ohe' ohe	E	Plant	Both
					<i>Urera kaalae</i>	Opuhe	E	Plant	Both
Sea Girt National Guard TC	NGB	NJ	Donald Beck	908-974-5950	<i>Viola chamissoniana</i>	Pamakani	E	Plant	Both
					<i>ssp. chamissoniana</i>				
					<i>Viola oahuensis</i>	No Common Name	PE	Plant	Both
					No Species				
Seneca Army Depot	AMC	NY	Michael Stofka	607-869-1532	No Species				
Sierra Army Depot	AMC	CA	John Colberg	916-827-4454	<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Both
					<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
					<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
					<i>Lampsilis abrupta</i>	Pink Mucket Pearlymussel	E	Clam	Contiguous
					<i>Macrhybopsis gelida</i>	Sturgeon Chub	C	Fish	Contiguous
					<i>Macrhybopsis meeki</i>	Sicklefin Chub	C	Fish	Contiguous
					<i>Myotis grisescens</i>	Gray Bat	E	Mammal	Contiguous
					<i>Notropis topeka</i>	Topeka Shiner	C	Fish	Contiguous
					<i>Scaphirhynchus albus</i>	Pallid Sturgeon	E	Fish	Contiguous
					<i>Sterna antillarum</i>	Least Tern	E	Bird	Both
St. George Armory	NGB	UT	Douglas Johnson	801-576-3960	<i>Arctomecon humilis</i>	Dwarf Bearclaw Poppy	E	Plant	Both
State Military Reservation	NGB	NH	Zachary Boyajian	603-228-1135	<i>Lycæides melissa samuelis</i>	Karner Blue Butterfly	E	Insect	Contiguous
Stead TS	NGB	NV	Loren Brazell	702-887-7276	<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Both
					<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
Sunflower AAP	AMC	KS	Scott Smith	913-583-3000	<i>Asclepias meadii</i>	Mead's Milkweed	T	Plant	Contiguous
					<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Contiguous
					<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur
Sunny Point	MTMC	NC	Tony Gaw	910-457-8429	<i>Acipenser brevirostrum</i> <i>Alligator mississippiensis</i> <i>Amaranthus pumilus</i> <i>Caretta caretta</i> <i>Charadrius melodus</i> <i>Chelonia mydas</i> <i>Dermochelys coriacea</i> <i>Falco peregrinus</i> <i>Felis concolor cougar</i> <i>Haliaeetus leucocephalus</i> <i>Lepidochelys kempii</i> <i>Lysimachia asperulaefolia</i> <i>Myiarcha cinerascens</i> <i>Picoides borealis</i> <i>Sterna dougallii dougallii</i> <i>Thalictum cooleyi</i> <i>Trichechus manatus</i>	Shorthose Sturgeon American Alligator Seabeach Amaranth Loggerhead Sea Turtle Piping Plover Green Sea Turtle Leatherback Sea Turtle Peregrine Falcon Eastern Cougar Bald Eagle Kemp's Ridley Sea Turtle Rough-leaved Loosestrife Wood Stork Red-cockaded Woodpecker Roseate Tern Cooley's Meadowrue West Indian Manatee	E T(S/A) T T T T E E(S/A) E T E E E E E E E	Fish Reptile Plant Reptile Bird Reptile Reptile Bird Mammal Bird Reptile Plant Bird Bird Bird Plant Mammal	Contiguous Both Contiguous Contiguous Contiguous Contiguous Contiguous Contiguous Both Both Contiguous Both Contiguous Both Contiguous Contiguous Contiguous
Tobyhanna Army Depot	AMC	PE	Randy Didier	717-895-7090	No Species				
Tooele Army Depot	AMC	UT	Mason Walker	801-833-8733	<i>Falco peregrinus anatum</i> <i>Haliaeetus leucocephalus</i>	American Peregrine Falcon Bald Eagle	E T	Bird Bird	Both Both
Truman TS	NGB	MO	Eugene Young	573-526-9418	<i>Asclepias meadii</i> <i>Haliaeetus leucocephalus</i> <i>Myotis grisescens</i>	Mead's Milkweed Bald Eagle Gray Bat	T T E	Plant Bird Mammal	Contiguous Both Contiguous
Tulahoma TS	NGB	TN	Harvey White	615-454-1964	<i>Helianthus eggertii</i> <i>Myotis grisescens</i>	Eggert's Sunflower Gray Bat	PT E	Plant Mammal	Both Contiguous
Twin Cities AAP	AMC	MN	Douglas Rhead	612-633-2303	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
Ukumehame Firing Range	NGB	HI	Melissa Dumar	808-733-4265	No Species				
Umatilla Chemical Depot	AMC	OR	Bob Nelson	541-564-5252	No Species				
VA-ARNG	NGB	VA	Eileen Williams	804-775-9427	No Species				
Vancouver Barracks	FORSCOM	WA	Bert Bivings	404-669-7659	No Species				
VI-ARNG	NGB	VI	Charles McGregor	809-778-2176	No Species				
Vint Hill Farms Station	AMC	VA	C/O Rich Clewell	309-782-8252	No Species				
Volunteer AAP	AMC	TN	Gregory Lee	423-578-6276	<i>Scutellaria montana</i>	Large-flowered Skullcap	E	Plant	Onsite
Walter Reed AMC	MEDCOM	DC	Gilbert Gonzalez	210-221-6441	No Species				

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur
Wappapello TS	NGB	MO	Eugene Young	573-526-9418	<i>Haliaeetus leucocephalus</i> <i>Lampisilis abrupta</i> <i>Lindera melissifolia</i>	Bald Eagle Pink Mucket Pearlymussel Pondberry	T E E	Bird Clam Plant	Contiguous Contiguous Contiguous
Watervliet Arsenal	AMC	NY	C/O Rich Clewell	309-782-8252	No Species				
West Point	USMA	NY	James Beemer	914-938-2314	<i>Acipenser brevirostrum</i> <i>Haliaeetus leucocephalus</i>	Shortnose Sturgeon Bald Eagle	E T	Fish Bird	Both Both
Western Kentucky TS	NGB	KY	CW4 Joe Wilkins	502-338-5541	<i>Myotis grisescens</i>	Gray Bat	E	Mammal	Both
White Sands Missile Range	AMC	NM	Dave Anderson	505-678-7817	<i>Charadrius montanus</i> <i>Empidonax traillii extimus</i> <i>Falco femoralis septentrionalis</i> <i>Falco peregrinus anatum</i> <i>Haliaeetus leucocephalus</i> <i>Hedeoma todsenii</i> <i>Strix occidentalis lucida</i>	Mountain Plover Southwestern Willow Flycatcher Northern Aplomado Falcon American Peregrine Falcon Bald Eagle Todsens Pennyroyal Mexican Spotted Owl	C E E E T E T	Bird Bird Bird Bird Bird Plant Bird	Contiguous Contiguous Both Both Both Both Contiguous
WI-ARNG	NGB	WI	Kerry Nicholls	608-242-3359	No Species				
Yakima TC	FORSCOM	WA	Margaret Pounds	509-577-3402	<i>Erigeron basalticus</i> <i>Falco peregrinus</i> <i>Haliaeetus leucocephalus</i>	Basalt Daisy Peregrine Falcon Bald Eagle	C E(S/A) T	Plant Bird Bird	Both Contiguous Both
Yuma Proving Ground	AMC	AZ	Junior Kerns	520-328-2148	<i>Echinocactus horizontalis</i> var. <i>nicholii</i> <i>Gopherus agassizii</i> (Sonoran Population)	Nichol's Turk's Head Cactus Sonoran Population of the Desert Tordise	E T(S/A)	Plant Reptile	Onsite Both

Appendix B: Critical Habitat and ESMP Status for Onsite and Contiguous TEPC Species, With Corresponding Installations

Scientific Name	Common Name	Fed Stat	Cat	Occur	MACOM	Installation	Crit	ESMP
<i>Abutilon sandwicense</i>	No Common Name	E	Plant	Contig.	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Achatinella rosea</i>	Pupu Kuahiwi	E	Snail	Onsite	USARPAC	Kawailoa TA	None	In Preparation
<i>Achatinella apexfulva</i>	Pupu Kuahiwi	E	Snail	Onsite	USARPAC	Kawailoa TA	None	In Preparation
				Onsite	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Achatinella bulimoides</i>	Pupu Kuahiwi	E	Snail	Onsite	USARPAC	Kawailoa TA	None	In Preparation
<i>Achatinella byronii</i>	Pupu Kuahiwi	E	Snail	Both	USARPAC	Kawailoa TA	None	In Preparation
				Both	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Achatinella curta</i>	Pupu Kuahiwi	E	Snail	Contig.	USARPAC	Kahuku TA	None	In Preparation
<i>Achatinella decipiens</i>	Pupu Kuahiwi	E	Snail	Both	USARPAC	Kawailoa TA	None	In Preparation
				Both	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Achatinella dimorpha</i>	Pupu Kuahiwi	E	Snail	Contig.	USARPAC	Kahuku TA	None	In Preparation
<i>Achatinella leucorraphe</i>	Pupu Kuahiwi	E	Snail	Onsite	USARPAC	Kawailoa TA	None	In Preparation
				Both	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Achatinella lila</i>	Pupu Kuahiwi	E	Snail	Both	USARPAC	Kawailoa TA	None	In Preparation
<i>Achatinella livida</i>	Pupu Kuahiwi	E	Snail	Both	USARPAC	Kawailoa TA	None	In Preparation
<i>Achatinella mustelina</i>	Pupu Kuahiwi	E	Snail	Both	USARPAC	Makua MR	None	In Preparation
				Both	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Achatinella pulcherrima</i>	Pupu Kuahiwi	E	Snail	Onsite	USARPAC	Kawailoa TA	None	In Preparation
<i>Achatinella sowerbyana</i>	Pupu Kuahiwi	E	Snail	Contig.	USARPAC	Kahuku TA	None	In Preparation
				Both	USARPAC	Kawailoa TA	None	In Preparation
				Both	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Achatinella swiftii</i>	Pupu Kuahiwi	E	Snail	Onsite	USARPAC	Kawailoa TA	None	In Preparation
				Both	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Achatinella valida</i>	Pupu Kuahiwi	E	Snail	Contig.	USARPAC	Kahuku TA	None	In Preparation
<i>Acipenser brevirostrum</i>	Shortnose Sturgeon	E	Fish	Contig.	AMC	Aberdeen Proving Ground	None	None
				Contig.	NGB	Camp Smith	None	None
				Contig.	NGB	Delaware ARNG	None	None
				Both	FORSCOM	Ft. Stewart & Hunter Army Airfield	None	In Preparation
				Contig.	MTMC	Sunny Point	None	None
				Both	USMA	West Point	None	In Preparation

Scientific Name	Common Name	Fed Stat	Cat	Occur	MACOM	Installation	Crit	ESMP
<i>Aconitum noveboracense</i>	Northern Wild Monkshood	T	Plant	Contig.	AMC	Ravenna AAP	None	None
<i>Adenophorus periens</i>	No Common Name	E	Plant	Onsite	USARPAC	Kahuku TA	None	In Preparation
				Onsite	USARPAC	Kawailoa TA	None	In Preparation
<i>Alectryon macrococcus</i>	Mahoe Ala'alahua	E	Plant	Both	USARPAC	Makua MR	None	In Preparation
				Both	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Alligator mississippiensis</i>	American Alligator	T(S/A)	Reptile	Both	NGB	Camp Blanding TS	None	Completed
				Both	TRADOC	Ft. Benning	None	In Preparation
				Onsite	TRADOC	Ft. Jackson	None	None
				Both	TRADOC	Ft. Rucker	None	None
				Both	AMC	Longhorn AAP	None	None
				Both	AMC	Louisiana AAP	None	None
				Both	AMC	Pine Bluff Arsenal	None	None
				Both	AMC	Redstone Arsenal	None	None
				Both	MTMC	Sunny Point	None	In Preparation
<i>Alsinidendron obovatum</i>	No Common Name	E	Plant	Both	USARPAC	Makua MR	None	In Preparation
<i>Alsinidendron trinerve</i>	No Common Name	E	Plant	Both	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Amaranthus pumilus</i>	Seabeach Amaranth	T	Plant	Contig.	MTMC	Sunny Point	None	None
<i>Amblyopsis rosae</i>	Ozark Cavefish	T	Fish	Contig.	NGB	Camp Crowder	None	In Preparation
<i>Ambystoma californiense</i>	Ambystoma Californiense	C	Amphibian	Both	TRADOC	Ft. Huachuca	NA	NA
				Both	USARC	Ft. Hunter Liggett	NA	NA
<i>Anas wyvilliana</i>	Hawaiian Duck	E	Bird	Onsite	NGB	Aahoaka & Wailua River LTA	None	None
				Both	NGB	Anahola LTA	None	None
				Both	USARPAC	Dillingham TA	None	In Preparation
				Onsite	NGB	Kearmuku LTA	None	None
				Contig.	NGB	Kekaha LTA	None	None
<i>Anniella pulchra nigra</i>	California Black Legless Lizard	PE	Reptile	Both	TRADOC	Pom Annex	NA	Completed
<i>Aphelocoma coerulescens</i>	Florida Scrub Jay	T	Bird	Both	NGB	Camp Blanding TS	None	Completed
<i>Apios priceana</i>	Price's Potato Bean	T	Plant	Contig.	FORSCOM	Ft. Campbell	None	None
				Onsite	AMC	Redstone Arsenal	None	In Preparation
<i>Arctomecon humilis</i>	Dwarf Bearclaw Poppy	E	Plant	Both	NGB	St. George Armory	None	Completed
<i>Asclepias meadii</i>	Mead's Milkweed	T	Plant	Contig.	NGB	Camp Clark	None	None
				Contig.	AMC	Sunflower AAP	None	None
				Contig.	NGB	Truman TS	None	None
<i>Asplenium fragile var. insulare</i>	Fragile Fern	E	Plant	Onsite	USARPAC	Pohakuloa TA	None	In Preparation
<i>Astragalus jaegerianus</i>	Lane Mountain Milk Vetch	C	Plant	Both	FORSCOM	Ft. Irwin	NA	NA
<i>Banara vanderbiltii</i>	Palo de Ramon	E	Plant	Onsite	FORSCOM	Ft. Buchanan	None	None
<i>Bonamia menziesii</i>	No Common Name	E	Plant	Onsite	USARPAC	Makua MR	None	In Preparation
<i>Branchinecta lynchi</i>	Vernal Pool Fairy Shrimp	T	Crustacean	Both	NGB	Camp Roberts	None	None
				Onsite	USARC	Ft. Hunter Liggett	None	In Preparation

Scientific Name	Common Name	Fed Stat	Cat	Occur	MACOM	Installation	Crit	ESMP
<i>Bufo microscaphus californicus</i>	Arroyo Southwestern Toad	E	Amphibian	Onsite	USARC	Ft. Hunter Liggett	None	In Preparation
<i>Buteo solitarius</i>	Hawaiian Hawk	E	Bird	Onsite	NGB	Keamuku LTA	None	None
				Onsite	NGB	Kekaha LTA	None	None
				Both	USARPAC	Pohakuloa TA	None	In Preparation
				Onsite	NGB	Pu'u Pa LTA	None	None
<i>Buxus vahlil</i>	Vahl Boxwood	E	Plant	Onsite	FORSCOM	Ft. Buchanan	None	None
<i>Caesalpinia kavaiaense</i>	Uhiuhi	E	Plant	Onsite	USARPAC	Makua MR	None	In Preparation
<i>Canis lupus</i>	Gray Wolf	T	Mammal	Both	NGB	Camp Ripley	None	In Preparation
				Contig.	USARC	Ft. McCoy	None	None
<i>Caretta caretta</i>	Loggerhead Sea Turtle	T	Reptile	Contig.	MTMC	Sunny Point	None	None
<i>Cenchrus agrimonioides</i>	Kamanomano	PE	Plant	Onsite	USARPAC	Makua MR	NA	In Preparation
				Onsite	USARPAC	Schofield Barracks MR	NA	In Preparation
<i>Chamaesyce deltoidea ssp. deltoidea</i>	Deltoid Spurge	E	Plant	Both	USARC	Martinez Reserve Center	None	Completed
<i>Chamaesyce rockii</i>	Akoko	PE	Plant	Contig.	USARPAC	Kahuku TA	NA	In Preparation
				Both	USARPAC	Kawailoa TA	NA	In Preparation
				Both	USARPAC	Schofield Barracks MR	NA	In Preparation
<i>Charadrius alexandrinus nivosus</i>	Western Snowy Plover	T	Bird	Both	TRADOC	Pom Annex	None	Completed
<i>Charadrius melodus</i>	Piping Plover	T	Bird	Both	NGB	Camp Grafton	None	None
				Both	FORSCOM	Ft. Riley	None	In Preparation
				Contig.	MTMC	Sunny Point	None	None
<i>Charadrius montanus</i>	Mountain Plover	C	Bird	Contig.	AMC	Dugway Proving Ground	NA	NA
				Both	FORSCOM	Ft. Carson	NA	NA
				Both	FORSCOM	Pinon Canyon MS	NA	NA
				Contig.	AMC	White Sands Missile Rng.	NA	NA
<i>Chasiempis sandwichensis ibidis</i>	Oahu 'Elepaio	C	Bird	Contig.	USARPAC	Kahuku TA	NA	NA
				Both	USARPAC	Kawailoa TA	NA	NA
				Both	USARPAC	Makua MR	NA	NA
				Both	USARPAC	Schofield Barracks MR	NA	NA
<i>Chelonia mydas</i>	Green Sea Turtle	T	Reptile	Contig.	MTMC	Sunny Point	None	None
<i>Chlorogalium purpureum var. purpureum</i>	Purple Amole	C	Plant	Onsite	USARC	Ft. Hunter Liggett	NA	NA
<i>Chorizanthe pungens var. pungens</i>	Monterey Spineflower	T	Plant	Both	TRADOC	Pom Annex	None	Completed
<i>Chorizanthe robusta</i>	Robust Spineflower	E	Plant	Both	TRADOC	Pom Annex	None	Completed
<i>Cicindela puritana</i>	Puritan Tiger Beetle	T	Insect	Contig.	AMC	Aberdeen Proving Ground	None	None
<i>Cirsium fontinale var. obispoense</i>	Chorro Creek Bog Thistle	E	Plant	Both	NGB	Camp San Luis Obispo	None	In Preparation

Scientific Name	Common Name	Fed Stat	Cat	Occur	MACOM	Installation	Crit	ESMP
<i>Clematis hirsutissima</i> <i>var. arizonica</i>	Arizona Leather Flower	C	Plant	Both	NGB	Camp Navajo MR	NA	NA
<i>Clemmys</i> <i>muhlenbergii</i>	Bog (Northern Population) Turtle	C	Reptile	Onsite	AMC	Letterkenny Army Depot	NA	NA
				Contig.	AMC	Picatinny Arsenal Tacom-ARDEC	NA	NA
<i>Colubrina oppositifolia</i>	Kaula	E	Plant	Onsite	NGB	Keamuku LTA	None	None
				Onsite	NGB	Pu'u Pa LTA	None	None
<i>Corvus hawaiiensis</i>	Alala Hawaiian Crow	E	Bird	Contig.	USARPAC	Pohakuloa TA	None	In Preparation
<i>Coryphantha sneedii</i> <i>var. sneedii</i>	Sneed Pincushion Cactus	E	Plant	Both	TRADOC	Ft. Bliss	None	In Preparation
<i>Ctenitis squamigera</i>	Pauoa	E	Plant	Contig.	USARPAC	Makua MR	None	In Preparation
				Contig.	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Cyanea acuminata</i>	Haha Oha	PE	Plant	Both	USARPAC	Kawailoa TA	None	In Preparation
				Both	USARPAC	Schofield Barracks MR	NA	In Preparation
<i>Cyanea grimesiana</i> <i>ssp. grimesiana</i>	Haha Oha	E	Plant	Contig.	USARPAC	Kahuku TA	None	In Preparation
				Both	USARPAC	Kawailoa TA	None	In Preparation
				Both	USARPAC	Schofield Barracks MR	None	In Preparation
				Contig.	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Cyanea koolauensis</i>	Haha Oha	PE	Plant	Both	USARPAC	Kahuku TA	NA	In Preparation
				Both	USARPAC	Kawailoa TA	NA	In Preparation
				Both	USARPAC	Schofield Barracks MR	NA	In Preparation
<i>Cyanea longiflora</i>	Haha Oha	PE	Plant	Both	USARPAC	Kahuku TA	NA	In Preparation
				Both	USARPAC	Kawailoa TA	NA	In Preparation
				Both	USARPAC	Schofield Barracks MR	NA	In Preparation
<i>Cyanea superba</i> <i>ssp. superba</i>	Oha	E	Plant	Onsite	USARPAC	Makua MR	None	In Preparation
				Onsite	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Cynomys parvidens</i>	Utah Prairie Dog	T	Mammal	Contig.	NGB	Cedar City Armory	None	None
<i>Cyperus</i> <i>trachysanthos</i>	Pu'uka'a	PE	Plant	Onsite	USARPAC	Dillingham TA	NA	In Preparation
				Onsite	NGB	Ft. Ruger	NA	None
<i>Cyprinella caerulea</i>	Blue Shiner	T	Fish	Both	TRADOC	Ft. McClellan	None	Completed
<i>Cyrtandra dentata</i>	Ha'iwale	PE	Plant	Onsite	USARPAC	Kawailoa TA	NA	In Preparation
<i>Cyrtandra</i> <i>subumbellata</i>	Ha'iwale	PE	Plant	Both	USARPAC	Schofield Barracks MR	NA	In Preparation
<i>Cyrtandra viridiflora</i>	Ha'iwale	PE	Plant	Both	USARPAC	Kawailoa TA	NA	In Preparation
<i>Daphnopsis hellerana</i>	No Common Name	E	Plant	Onsite	FORSCOM	Ft. Buchanan	None	None
<i>Delissea subcordata</i>	Oha	PE	Bird	Onsite	AMC	Jefferson Proving Ground	NA	None
				Contig.	USARPAC	Kawailoa TA	NA	In Preparation
				Contig.	USARPAC	Makua MR	NA	In Preparation
				Contig.	USARPAC	Schofield Barracks MR	NA	In Preparation
<i>Dendroica</i> <i>chrysoparia</i>	Golden-cheeked Warbler	E	Bird	Both	FORSCOM	Ft. Hood	None	In Preparation
				Both	MEDCOM	Ft. Sam Houston	None	In Preparation
<i>Dendroica kirtlandii</i>	Kirtland's Warbler	E	Bird	Both	NGB	Camp Grayling	None	Completed
<i>Dermochelys coriacea</i>	Leatherback Sea Turtle	E	Reptile	Contig.	MTMC	Sunny Point	None	None

Scientific Name	Common Name	Fed	Cat	Occur	MACOM	Installation	Crit	ESMP
Stat								
<i>Diellia falcata</i>	No Common Name	E	Plant	Both	USARPAC	Makua MR	None	In Preparation
				Both	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Diplazium molokaiense</i>	No Common Name	E	Plant	Contig.	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Dromus dromas</i>	Dromedary Pearly Mussel	E	Clam	Contig.	FORSCOM	Ft. Campbell	None	None
<i>Drymarchon corais couperi</i>	Eastern Indigo Snake	T	Reptile	Both	NGB	Camp Blanding TS	None	Completed
				Both	FORSCOM	Ft. Stewart & Hunter Army Airfield	None	In Preparation
<i>Dubautia herbstobatae</i>	Na'ena'e	E	Plant	Both	USARPAC	Makua MR	None	In Preparation
<i>Echinacea laevigata</i>	Smooth Coneflower	E	Plant	Onsite	TRADOC	Ft. Jackson	None	In Preparation
				Onsite	NGB	Leesburg TS	None	In Preparation
				Contig.	AMC	Radford AAP	NR	None
<i>Echinocactus horizontalis</i>	Nichol's Turk's Head Cactus	E	Plant	Onsite	AMC	Yuma Proving Ground	None	None
<i>var. nicholii</i>								
<i>Echinocereus fendleri</i>	Kuenzler Hedgehog Cactus	E	Plant	Contig.	TRADOC	Ft. Bliss	None	None
<i>var. kuenzleri</i>								
<i>Empidonax traillii</i>	Southwestern Willow Flycatcher	E	Bird	Both	NGB	Clark County TS	None	None
<i>extimus</i>				Both	TRADOC	Ft. Bliss	None	In Preparation
				Contig.	TRADOC	Ft. Huachuca	None	None
				Contig.	AMC	White Sands Missile Rng.	None	None
<i>Epicrates inornatus</i>	Puerto Rican Boa	E	Reptile	Onsite	FORSCOM	Ft. Buchanan	None	None
<i>Epioblasma walkeri</i>	Tan Riffleshell	E	Clam	Contig.	FORSCOM	Ft. Campbell	None	None
<i>Eragrostis fosbergii</i>	Fosberg's Love Grass	PE	Plant	Contig.	USARPAC	Schofield Barracks MR	NA	In Preparation
<i>Erigeron basalticus</i>	Basalt Daisy	C	Plant	Both	FORSCOM	Yakima TC	NA	NA
<i>Erigeron lemmonii</i>	Lemmon Fleabane	C	Plant	Onsite	TRADOC	Ft. Huachuca	NA	NA
<i>Etheostoma cragini</i>	Arkansas Darter	C	Fish	Contig.	NGB	Camp Crowder	NA	NA
				Both	FORSCOM	Ft. Carson	NA	NA
<i>Etheostoma sellare</i>	Maryland Darter	E	Fish	Contig.	AMC	Aberdeen Proving Ground	None	None
<i>Eugenia koolauensis</i>	Nioi	E	Plant	Onsite	USARPAC	Kahuku TA	None	In Preparation
				Contig.	USARPAC	Kawailoa TA	None	In Preparation
<i>Euphilotes enoptes smithi</i>	Smith's Blue Butterfly	E	Insect	Both	TRADOC	Pom Annex	None	Completed
<i>Euphorbia haelealeana</i>	'Akoko	PE	Plant	Onsite	USARPAC	Makua MR	NA	In Preparation
<i>Falco femoralis</i>	Northern Aplomado Falcon	E	Bird	Contig.	TRADOC	Ft. Bliss	None	In Preparation
<i>septentrionalis</i>				Both	AMC	White Sands Missile Rng.	None	In Preparation
<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Contig.	AMC	Aberdeen Proving Ground	None	None
				Both	NGB	Camp Navajo MR	None	NR
				Contig.	NGB	Camp Smith	None	None
				Both	USARC	Devens RFT.A	None	None

Scientific Name	Common Name	Fed Stat	Cat	Occur	MACOM	Installation	Crit	ESMP
				Both	FORSCOM	Ft. Campbell	None	None
				Contig.	TRADOC	Ft. Eustis	None	In Preparation
				Both	FORSCOM	Ft. Hood	None	In Preparation
				Both	TRADOC	Ft. Huachuca	None	None
				Both	USARC	Ft. McCoy	None	None
				Both	FORSCOM	Ft. Riley	None	In Preparation
				Both	AMC	Sierra Army Depot	None	None
				Both	NGB	Stead TS	None	Completed
				Contig.	AMC	Sunflower AAP	None	None
				Contig.	MTMC	Sunny Point	None	None
				Contig.	FORSCOM	Yakima TC	None	NR
<i>Falco peregrinus</i> <i>anatum</i>	American Peregrine Falcon	E	Bird	Contig.	AMC	Dugway Proving Ground	None	None
				Both	TRADOC	Ft. Bliss	None	In Preparation
				Both	FORSCOM	Ft. Carson	NR	NR
				Onsite	USARPAC	Ft. Greely	None	NR
				Both	USARC	Ft. Hunter Liggett	None	None
				Onsite	USARPAC	Ft. Richardson	None	NR
				Onsite	USARPAC	Ft. Wainwright	None	NR
				Both	AMC	Picatinny Arsenal Tacom-ARDEC	None	None
				Both	FORSCOM	Pinon Canyon MS	NR	NR
				Both	AMC	Redstone Arsenal	None	None
				Both	AMC	Tooele Army Depot	None	None
				Both	AMC	White Sands Missile Rng.	None	In Preparation
<i>Felis concolor coryi</i>	Florida Panther	E	Mammal	NR	NGB	Camp Blanding TS	NR	NR
<i>Felis concolor cougar</i>	Eastern Cougar	E	Mammal	Both	MTMC	Sunny Point	None	None
<i>Flueggea</i> <i>neowawraea</i>	Mehamehame	E	Plant	Onsite	USARPAC	Makua MR	None	In Preparation
				Contig.	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Fulica americana alai</i>	Hawaiian Coot	E	Bird	Both	USARPAC	Dillingham TA	None	In Preparation
				Contig.	NGB	Kekaha LTA	None	NR
<i>Gallinula chloropus</i> <i>sandvicensis</i>	Hawaiian Gallinule	E	Bird	Onsite	NGB	Aahoaka & Wailua River LTA	None	None
				Both	USARPAC	Dillingham TA	None	In Preparation
				Contig.	NGB	Kekaha LTA	None	NR
<i>Gardenia mannii</i>	Nanu	PE	Plant	Both	USARPAC	Kahuku TA	NA	In Preparation
				Both	USARPAC	Kawailoa TA	NA	In Preparation
				Both	USARPAC	Schofield Barracks MR	NA	In Preparation
<i>Gilia tenuiflora</i> <i>ssp. arenaria</i>	Monterey Sand Gilia	E	Plant	Both	TRADOC	Pom Annex	None	Completed
<i>Gopherus agassizii</i>	Desert Tortoise	T	Reptile	Both	NGB	Clark County TS	None	None
				Both	FORSCOM	Ft. Irwin	Yes	In Preparation
<i>Gopherus agassizii</i> (Sonoran Population)	Sonoran Population of Desert Tortoise	T(S/A)	Reptile	Both	AMC	Yuma Proving Ground	None	None
<i>Gopherus</i> <i>polyphemus</i>	Gopher Tortoise	T	Reptile	Both	NGB	Camp Shelby	None	In Preparation
<i>Grus americana</i>	Whooping Crane	E	Bird	Both	FORSCOM	Ft. Hood	None	In Preparation

Scientific Name	Common Name	Fed Stat	Cat	Occur	MACOM	Installation	Crit	ESMP
<i>Gymnogyps californianus</i>	California Condor	E	Bird	Contig.	USARC	Ft. Hunter Liggett	None	None
<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	AMC	Aberdeen Proving Ground	None	Completed
				Onsite	AMC	Adelphi Army Research Labs	None	Completed
				Both	NGB	Atterbury Reserve Forces TA	None	None
				Both	NGB	Camp Blanding TS	None	Completed
				Both	NGB	Camp Crowder	None	In Preparation
				Both	NGB	Camp Grayling	None	Completed
				Contig.	NGB	Camp Guernsey	None	None
				Both	NGB	Camp Joseph T. Robinson	None	None
				Both	NGB	Camp Murray	None	Completed
				Both	NGB	Camp Navajo MR	None	In Preparation
				Onsite	NGB	Camp Ripley	None	Completed
				Both	NGB	Camp Roberts	None	None
				Contig.	NGB	Camp Smith	None	None
				Both	USARC	Devens RFT.A	None	None
				Both	AMC	Dugway Proving Ground	None	None
				Both	MDW	Ft. A.P. Hill	None	Completed
				Both	MDW	Ft. Belvoir	None	In Preparation
				Both	TRADOC	Ft. Benning	None	In Preparation
				Both	TRADOC	Ft. Bliss	None	In Preparation
				Both	FORSCOM	Ft. Campbell	None	None
				Both	FORSCOM	Ft. Carson	NR	NR
				Both	TRADOC	Ft. Eustis	None	In Preparation
				Onsite	TRADOC	Ft. Gordon	None	In Preparation
				Both	FORSCOM	Ft. Hood	None	In Preparation
				Both	USARC	Ft. Hunter Liggett	None	In Preparation
				Onsite	TRADOC	Ft. Jackson	None	None
				Both	TRADOC	Ft. Knox	None	In Preparation
				Both	TRADOC	Ft. Lee	None	In Preparation
				Both	FORSCOM	Ft. Lewis	None	Completed
				Both	USARC	Ft. McCoy	None	None
				Both	USARC	Ft. Pickett	None	None
				Both	FORSCOM	Ft. Riley	None	In Preparation
				Contig.	TRADOC	Ft. Rucker	None	None
				Both	FORSCOM	Ft. Stewart & Hunter Army Airfield	None	In Preparation
				Both	AMC	Holston AAP	None	In Preparation
				Both	NGB	Macon TS	None	In Preparation
				Both	AMC	Newport Chemical Depot	None	None
				Both	AMC	Picatinny Arsenal	None	None
						Tacom-ARDEC		
				Both	AMC	Pine Bluff Arsenal	None	None
				Both	FORSCOM	Pinon Canyon MS	NR	NR

Scientific Name	Common Name	Fed Stat	Cat	Occur	MACOM	Installation	Crit	ESMP
				Contig.	AMC	Ravenna AAP	None	None
				Both	AMC	Redstone Arsenal	None	None
				Both	AMC	Rock Island Arsenal	None	None
				Both	AMC	Savanna Army Depot	None	Completed
				Both	AMC	Sierra Army Depot	None	None
				Both	NGB	Skelton TS	None	In Preparation
				Both	NGB	Stead TS	None	Completed
				Both	AMC	Sunflower AAP	None	None
				Both	MTMC	Sunny Point	None	None
				Both	AMC	Tooele Army Depot	None	None
				Both	NGB	Truman TS	None	In Preparation
				Both	AMC	Twin Cities AAP	None	None
				Contig.	NGB	Wappapello TS	None	None
				Both	USMA	West Point	None	In Preparation
				Both	AMC	White Sands Missile Rng.	None	None
				Both	FORSCOM	Yakima TC	None	None
<i>Haplostachys</i>	No Common	E	Plant	Onsite	NGB	Keamuku LTA	None	None
<i>haplostachya</i>	Name			Both	USARPAC	Pohakuloa TA	None	In Preparation
<i>Hedeoma todsenii</i>	Todsen's	E	Plant	Contig.	TRADOC	Ft. Bliss	None	None
	Pennyroyal			Both	AMC	White Sands Missile Rng.	None	None
<i>Hedyotis coriacea</i>	Kio'ele	E	Plant	Onsite	USARPAC	Pohakuloa TA	None	In Preparation
<i>Hedyotis parvula</i>	No Common	E	Plant	Both	USARPAC	Makua MR	None	In Preparation
	Name							
<i>Helianthus eggertii</i>	Eggert's	PT	Plant	Both	NGB	Tulahoma TS	NA	In Preparation
	Sunflower							
<i>Helonias bullata</i>	Swamp Pink	T	Plant	Onsite	MDW	Ft. A.P. Hill	None	None
<i>Hemignathus munroi</i>	'Akiapola'au	E	Bird	Both	USARPAC	Pohakuloa TA	None	In Preparation
	(Honeycreeper)							
<i>Hesperomannia</i>	No Common	E	Plant	Both	USARPAC	Kahuku TA	None	In Preparation
<i>arborescens</i>	Name			Both	USARPAC	Kawailoa TA	None	In Preparation
				Both	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Hibiscus</i>	Ma'o Hau Hele	E	Plant	Contig.	USARPAC	Dillingham TA	None	In Preparation
<i>brackenridgei ssp.</i>								
<i>mokuleianus</i>								
<i>Himantopus</i>	Hawaiian Stilt	E	Bird	Both	USARPAC	Dillingham TA	None	In Preparation
<i>mexicanus</i>				Contig.	NGB	Kekaha LTA	None	NR
<i>knudseni</i>								
<i>Howellia aquatilis</i>	Water Howellia	T	Plant	Both	FORSCOM	Ft. Lewis	None	In Preparation
<i>Hymenoxys texana</i>	Texas Prairie	E	Plant	Both	NGB	Addicks Reservoir	None	NR
	Dawn-flower							
<i>Isodendron hosakae</i>	Aupaka	E	Plant	Onsite	NGB	Keamuku LTA	None	None
<i>Isodendron</i>	Aupaka	PE	Plant	Both	USARPAC	Schofield Barracks MR	NA	In Preparation
<i>laurifolium</i>								
<i>Isoetes louisianensis</i>	Lousiana	E	Plant	Both	NGB	Camp Shelby	None	None
	Quillwort							
<i>Isotria medeoloides</i>	Small Whorled	T	Plant	Onsite	MDW	Ft. A.P. Hill	None	None
	Pogonia			Contig.	NGB	Regional Training Institute	None	None

Scientific Name	Common Name	Fed Stat	Cat	Occur	MACOM	Installation	Crit	ESMP
<i>Labordia cyrtandrae</i>	Kamakahala	PE	Plant	Both Onsite	USARPAC USARPAC	Kawailoa TA Schofield Barracks MR	NA NA	In Preparation In Preparation
<i>Lampsilis abrupta</i>	Pink Mucket Pearlymussel	E	Clam	Contig. Contig. Contig.	FORSCOM NGB NGB	Ft. Campbell Skelton TS Wappapello TS	None None None	None In Preparation None
<i>Lampsilis higginsii</i>	Higgins' Eye Pearlymussel	E	Clam	Both	AMC	Savanna Army Depot	None	None
<i>Lasiurus cinereus semotus</i>	Hawaiian Hoary Bat	E	Mammal	Both Both Onsite Onsite Both Both Both Both	NGB USARPAC NGB NGB NGB USARPAC NGB USARPAC	Aahoaka & Wailua River LTA Kawailoa TA Keamuku LTA Keaukaha MR Kekaha LTA Pohakuloa TA Pu'u Pa LTA Schofield Barracks MR	None None None None None None None None	None In Preparation None None None In Preparation None In Preparation
<i>Lepidium arbuscula</i>	Anaunau	PE	Plant	Both Both	USARPAC USARPAC	Makua MR Schofield Barracks MR	NA NA	In Preparation In Preparation
<i>Lepidochelys kempii</i>	Kemp's Ridley Sea Turtle	E	Reptile	Contig.	MTMC	Sunny Point	None	None
<i>Leptonycteris curasoae yerbabuenae</i>	Lesser Long-nosed Bat	E	Mammal	Both	TRADOC	Ft. Huachuca	None	None
<i>Lespedeza leptostachya</i>	Prairie Bush Clover	T	Plant	Contig.	AMC	Badger AAP	None	None
<i>Lilaeopsis schaffneriana ssp. recurva</i>	Huachuca Water-umbel	PE	Plant	Both	TRADOC	Ft. Huachuca	NA	None
<i>Lindera melissifolia</i>	Pondberry	E	Plant	Contig.	NGB	Wappapello TS	None	None
<i>Lipochaeta lobata var. leptophylla</i>	Nehe	E	Plant	Contig.	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Lipochaeta tenuifolia</i>	Nehe	E	Plant	Onsite	USARPAC	Makua MR	None	In Preparation
<i>Lipochaeta venosa</i>	No Common Name	E	Plant	Onsite Onsite	NGB NGB	Keamuku LTA Pu'u Pa LTA	None None	None None
<i>Lobelia gaudichaudii ssp. koolauensis</i>	Haha Oha	PE	Plant	Both	USARPAC	Kawailoa TA	NA	In Preparation
<i>Lobelia niihauensis</i>	Haha Oha	E	Plant	Contig. Both	USARPAC USARPAC	Makua MR Schofield Barracks MR	None None	In Preparation In Preparation
<i>Lobelia oahuensis</i>	Haha Oha	E	Plant	Both Both	USARPAC USARPAC	Kawailoa TA Schofield Barracks MR	None None	In Preparation In Preparation
<i>Loxioides bailleui</i>	Palila	E	Bird	Both	USARPAC	Pohakuloa TA	Yes	In Preparation
<i>Loxops coccineus coccineus</i>	Hawaii 'Akepa	E	Bird	Onsite Contig. Onsite	NGB USARPAC NGB	Keamuku LTA Pohakuloa TA Pu'u Pa LTA	None None None	None Completed None
<i>Lycaeides melissa samuelis</i>	Karner Blue Butterfly	E	Insect	Both Contig.	USARC NGB	Ft. McCoy State MR	None None	In Preparation None
<i>Lycopodium nutans</i>	Wawae'iole	E	Plant	Onsite Contig.	USARPAC USARPAC	Kawailoa TA Schofield Barracks MR	None None	In Preparation In Preparation
<i>Lysimachia asperulaefolia</i>	Rough-leaved Loosestrife	E	Plant	Both Onsite	FORSCOM TRADOC	Ft. Bragg Ft. Jackson	None None	In Preparation In Preparation

Scientific Name	Common Name	Fed	Cat	Occur	MACOM	Installation	Crit	ESMP
Stat								
				Onsite	NGB	Leesburg TS	None	In Preparation
				Both	MTMC	Sunny Point	None	In Preparation
<i>Macrhybopsis gelida</i>	Sturgeon Chub	C	Fish	Both	FORSCOM	Ft. Riley	NA	NA
				Contig.	NGB	Skelton TS	NA	NA
<i>Macrhybopsis meeki</i>	Sicklefin Chub	C	Fish	Contig.	NGB	Skelton TS	NA	NA
<i>Manduca blackburni</i>	Blackburn's Sphinx Moth	C	Insect	Onsite	NGB	Kanaio LTA	NA	NA
<i>Marshallia mohrii</i>	Mohr's Barbara Buttons	T	Plant	Onsite	TRADOC	Ft. McClellan	None	Completed
<i>Melicope lydgatei</i>	Alani	E	Plant	Onsite	USARPAC	Kawailoa TA	None	In Preparation
<i>Monachus schauinslandi</i>	Hawaiian Monk Seal	E	Mammal	Both	USARPAC	Dillingham TA	None	In Preparation
<i>Mycteria americana</i>	Wood Stork	E	Bird	Both	NGB	Camp Blanding TS	None	Completed
				Both	TRADOC	Ft. Benning	None	In Preparation
				Onsite	TRADOC	Ft. Gordon	None	In Preparation
				Both	FORSCOM	Ft. Stewart & Hunter Army Airfield	None	In Preparation
				Contig.	MTMC	Sunny Point	None	None
<i>Myotis grisescens</i>	Gray Bat	E	Mammal	Both	NGB	Camp Crowder	None	In Preparation
				Contig.	FORSCOM	Ft. Campbell	None	None
				Onsite	TRADOC	Ft. Knox	None	In Preparation
				Both	TRADOC	Ft. McClellan	None	Completed
				Contig.	TRADOC	Ft. Rucker	None	None
				Contig.	AMC	Indiana AAP	None	None
				Both	AMC	Redstone Arsenal	None	None
				Contig.	NGB	Skelton TS	None	None
				Contig.	NGB	Truman TS	None	None
				Contig.	NGB	Tulahoma TS	None	None
				Both	NGB	Western Kentucky TS	None	None
<i>Myotis sodalis</i>	Indiana Bat	E	Mammal	Contig.	FORSCOM	Ft. Campbell	None	None
				Both	TRADOC	Ft. Knox	None	In Preparation
				Contig.	AMC	Indiana AAP	None	None
				Onsite	AMC	Jefferson Proving Ground	None	None
				Contig.	NGB	Macon TS	None	None
				Both	AMC	Picatinny Arsenal	None	In Preparation
						Tacom-ARDEC		
				Contig.	AMC	Ravenna AAP	None	None
				Contig.	AMC	Savanna Army Depot	None	None
<i>Myrsine juddii</i>	Kolea	PE	Plant	Both	USARPAC	Kawailoa TA	NA	In Preparation
<i>Neonympha mitchellii francisci</i>	Saint Francis' Satyr Butterfly	E	Insect	Onsite	FORSCOM	Ft. Bragg	None	In Preparation
<i>Neraudia angulata</i> var. <i>angulata</i>	Ma'aloa	E	Plant	Onsite	USARPAC	Makua MR	None	In Preparation
				Onsite	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Neraudia angulata</i> var. <i>dentata</i>	Ma'aloa	E	Plant	Onsite	USARPAC	Makua MR	None	In Preparation
				Onsite	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Neraudia ovata</i>	Ma'aloa	PE	Plant	Onsite	USARPAC	Pohakuloa TA	NA	In Preparation

Scientific Name	Common Name	Fed Stat	Cat	Occur	MACOM	Installation	Crit	ESMP
<i>Nerodia erythrogaster neglecta</i>	Northern Copperbelly Water Snake	PT	Reptile	Contig.	FORSCOM	Ft. Campbell	NA	None
<i>Nesochen sandvicensis</i>	Hawaiian Goose	E	Bird	Onsite Both Both	NGB NGB USARPAC	Keamuku LTA Kekaha LTA Pohakuloa TA	None None None	None None In Preparation
<i>Nicrophorus americanus</i>	American Burying Beetle	E	Insect	Contig. Both Both Both	NGB NGB TRADOC AMC	Camp Crowder Camp Gruber Ft. Chaffee McAlester AAP	None None None None	None Completed In Preparation In Preparation
<i>Nothocestrum breviflorum</i>	Aiea	E	Plant	Onsite Onsite	NGB NGB	Keamuku LTA Pu'u Pa LTA	None None	None None
<i>Nototrichium humile</i>	Kulu'i	E	Plant	Onsite Both Contig.	USARPAC USARPAC USARPAC	Dillingham TA Makua MR Schofield Barracks MR	None None None	In Preparation In Preparation In Preparation
<i>Notropis topeka</i>	Topeka Shiner	C	Fish	Both Contig.	FORSCOM NGB	Ft. Riley Skelton TS	NA NA	NA NA
<i>Obovaria retusa</i>	Ring Pink	E	Clam	Contig.	FORSCOM	Ft. Campbell	None	None
<i>Oncorhynchus clarki stomias</i>	Greenback Cutthroat Trout	T	Fish	Onsite	FORSCOM	Ft. Carson	NR	NR
<i>Oreomystis mana</i>	Hawaii Creeper	E	Bird	Onsite Contig. Onsite	NGB USARPAC NGB	Keamuku LTA Pohakuloa TA Pu'u Pa LTA	None None None	None Completed None
<i>Ottoschulzia rhodoxylon</i>	Palo de Rosa	E	Plant	Onsite	FORSCOM	Ft. Buchanan	None	None
<i>Palaemonias alabamiae</i>	Alabama Cave Shrimp	E	Crustacean	Both	AMC	Redstone Arsenal	None	In Preparation
<i>Paroreomyza flammea</i>	Molokai Creeper	E	Bird	Both	USARPAC USARPAC USARPAC	Kawailoa TA Makua MR Schofield Barracks MR	None None None	In Preparation In Preparation In Preparation
<i>Phyllostegia hirsuta</i>	No Common Name	PE	Plant	Contig. Onsite Both	USARPAC USARPAC USARPAC	Kahuku TA Kawailoa TA Schofield Barracks MR	None NA NA	In Preparation In Preparation In Preparation
<i>Phyllostegia mollis</i>	No Common Name	E	Plant	Contig.	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Phyllostegia parviflora</i> var. <i>parviflora</i>	No Common Name	E	Plant	Onsite	USARPAC	Kawailoa TA	None	In Preparation
<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Contig. Onsite Contig. Onsite Both Onsite Onsite Contig. Both Onsite	NGB NGB NGB TRADOC FORSCOM TRADOC TRADOC TRADOC FORSCOM FORSCOM	Camp Beauregard Camp Blanding TS Camp Shelby Ft. Benning Ft. Bragg Ft. Gordon Ft. Jackson Ft. McClellan Ft. Polk Ft. Stewart & Hunter Army Airfield Leesburg TS Sunny Point	None None None None None None None None None None	Completed Completed In Preparation In Preparation In Preparation In Preparation In Preparation Completed In Preparation In Preparation In Preparation

Scientific Name	Common Name	Fed Stat	Cat	Occur	MACOM	Installation	Crit	ESMP
<i>Piperia yadonii</i>	Yadon's Piperia	PE	Plant	Both	TRADOC	Pom Annex	NA	Completed
				Both	TRADOC	Presidio of Monterey	NA	In Preparation
<i>Plantago princeps</i> <i>var. longibracteata</i>	Laukahi Kuahiwi	E	Plant	Both	USARPAC	Kawailoa TA	None	In Preparation
<i>Plantago princeps</i> <i>var. princeps</i>	Laukahi Kuahiwi	E	Plant	Both	USARPAC	Makua MR	None	In Preparation
<i>Platanthera holochila</i>	No Common Name	PE	Plant	Contig.	USARPAC	Kawailoa TA	NA	In Preparation
<i>Plethobasus</i> <i>cooperianus</i>	Orange Footed Pearly Mussel	E	Clam	Contig.	FORSCOM	Ft. Campbell	None	None
<i>Pleurobema plenum</i>	Rough Pigtoe	E	Clam	Contig.	FORSCOM	Ft. Campbell	None	None
<i>Polygyris</i> <i>virginianus</i>	Virginia Fringed Mountain Snail	E	Snail	Both	AMC	Radford AAP	None	None
<i>Portulaca sclerocarpa</i>	Po'e	E	Plant	Onsite	NGB	Keamuku LTA	None	None
				Both	USARPAC	Pohakuloa TA	None	In Preparation
				Onsite	NGB	Pu'u Pa LTA	None	None
<i>Pritchardia kaalae</i>	Loulu	PE	Plant	Onsite	USARPAC	Makua MR	NA	In Preparation
				Contig.	USARPAC	Schofield Barracks MR	NA	In Preparation
<i>Psittirostra psittacea</i>	O'u	E	Bird	Contig.	USARPAC	Pohakuloa TA	None	Completed
<i>Pteris lidgatei</i>	No Common Name	E	Plant	Onsite	USARPAC	Kawailoa TA	None	In Preparation
				Onsite	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Pterodroma</i> <i>phaeopygia</i>	Hawaiian Dark-rumped Petrel	E	Bird	Onsite	NGB	Kanaio LTA	None	None
				Contig.	USARPAC	Pohakuloa TA	None	In Preparation
<i>Ptilimnium nodosum</i>	Harperella	E	Plant	Both	NGB	Lil Aaron Straus Wilderness Area	None	In Preparation
<i>Puffinus auricularis</i> <i>newelli</i>	Newell's Townsend's Shearwater	T	Bird	Both	NGB	Aahoaka & Wailua River LTA	None	None
<i>Pyrgulopsis</i> <i>thompsoni</i>	Huachuca Springsnail	C	Snail	Both	TRADOC	Ft. Huachuca	NA	NA
<i>Quadrula fragosa</i>	Winged Mapleleaf Mussel	E	Clam	Contig.	FORSCOM	Ft. Campbell	None	None
<i>Rana aurora draytoni</i>	California Red-legged Frog	PE	Amphibian	Both	NGB	Camp San Luis Obispo	NA	In Preparation
				Contig.	USARC	Ft. Hunter Liggett	NA	None
				Both	USARC	Parks RFT.A	NA	None
				Contig.	TRADOC	Pom Annex	NA	Completed
<i>Rana pretiosa</i>	Spotted Frog	C	Amphibian	Contig.	AMC	Dugway Proving Ground	NA	NA
				Contig.	FORSCOM	Ft. Lewis	NA	NA
<i>Rana subaquavocalis</i>	Ramsey Canyon Leopard Frog	C	Amphibian	Both	TRADOC	Ft. Huachuca	NA	NA
<i>Rhododendron</i> <i>chapmanii</i>	Chapman's Rhododendron	E	Plant	Onsite	NGB	Camp Blanding TS	None	Completed
<i>Rhus michauxii</i>	Michaux's Sumac	E	Plant	Both	FORSCOM	Ft. Bragg	None	In Preparation
				Onsite	USARC	Ft. Pickett	None	None
<i>Rollandia crispa</i>	Haha Oha	E	Plant	Both	USARPAC	Kawailoa TA	None	In Preparation
<i>Rumex orthoneurus</i>	Blumer's Dock	C	Plant	Both	TRADOC	Ft. Huachuca	NA	NA

Scientific Name	Common Name	Fed Stat	Cat	Occur	MACOM	Installation	Crit	ESMP
<i>Salvelinus confluentus</i>	Bull Trout	C	Fish	Contig.	FORSCOM	Ft. Lewis	NA	NA
<i>Sanicula maritima</i>	No Common Name	E	Plant	Both	USARPAC	Makua MR	None	In Preparation
<i>Sanicula purpurea</i>	No Common Name	PE	Plant	Both	USARPAC	Kawailoa TA	NA	In Preparation
				Both	USARPAC	Schofield Barracks MR	NA	In Preparation
<i>Scaphirhynchus albus</i>	Pallid Sturgeon	E	Fish	Contig.	NGB	Skelton TS	None	In Preparation
<i>Schiedea hookeri</i>	No Common Name	PE	Plant	Both	USARPAC	Makua MR	NA	In Preparation
				Both	USARPAC	Schofield Barracks MR	NA	In Preparation
<i>Schiedea kealiae</i>	Ma'oli'oli	PE	Plant	Onsite	USARPAC	Dillingham TA	NA	In Preparation
<i>Schiedea nuttallii</i>	No Common Name	PE	Plant	Onsite	USARPAC	Makua MR	NA	In Preparation
				Contig.	USARPAC	Schofield Barracks MR	NA	In Preparation
<i>Schwalbea americana</i>	American Chaffseed	E	Plant	Both	FORSCOM	Ft. Bragg	None	In Preparation
<i>Scutellaria montana</i>	Large-flowered Skullcap	E	Plant	Onsite	AMC	Volunteer AAP	None	Completed
<i>Sesbania tomentosa</i>	Ohai	E	Plant	Onsite	NGB	Kanaio LTA	None	None
<i>Silene hawaiiensis</i>	Hawaiian Catchfly	T	Plant	Onsite	USARPAC	Pohakuloa TA	None	In Preparation
<i>Silene lanceolata</i>	Lanceleaf Catchfly	E	Plant	Onsite	USARPAC	Makua MR	None	In Preparation
				Onsite	USARPAC	Pohakuloa TA	None	In Preparation
<i>Solanum incompletum</i>	Spiny Popolo	E	Plant	Onsite	USARPAC	Pohakuloa TA	None	In Preparation
<i>Solanum sandwicense</i>	Popolo	E	Plant	Contig.	USARPAC	Kahuku TA	None	In Preparation
	'Aiakeakua			Contig.	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Solidago houghtonii</i>	Houghton's Goldenrod	T	Plant	Both	NGB	Camp Grayling	None	In Preparation
<i>Spermolepis hawaiiensis</i>	Hawaiian Parsley	E	Plant	Both	USARPAC	Makua MR	None	In Preparation
				Onsite	USARPAC	Pohakuloa TA	None	In Preparation
<i>Speyeria zerene hippolyta</i>	Oregon Silverspot Butterfly	T	Insect	Onsite	NGB	Camp Rilea	Yes	In Preparation
<i>Spiranthes diluvialis</i>	Ute Ladies'-tresses	T	Plant	Contig.	AMC	Dugway Proving Ground	None	None
				Onsite	FORSCOM	Ft. Carson	NR	NR
<i>Stenogyne angustifolia</i>	No Common Name	E	Plant	Onsite	USARPAC	Pohakuloa TA	None	In Preparation
				Onsite	NGB	Pu'u Pa LTA	None	None
<i>Stenogyne kanehoana</i>	No Common Name	E	Plant	Contig.	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Sterna antillarum</i>	Least Tern	E	Bird	Both	FORSCOM	Ft. Riley	None	In Preparation
				Both	NGB	Skelton TS	None	In Preparation
<i>Sterna dougallii</i>	Roseate Tern	E	Bird	Contig.	MTMC	Sunny Point	None	None
<i>Strix occidentalis caurina</i>	Northern Spotted Owl	T	Bird	H	FORSCOM	Ft. Lewis	Yes	Completed
<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	T	Bird	Both	NGB	Camp Navajo MR	Yes	In Preparation
				Both	TRADOC	Ft. Bliss	None	In Preparation
				Both	FORSCOM	Ft. Carson	NR	NR
				Both	TRADOC	Ft. Huachuca	Yes	None
				Contig.	AMC	White Sands Missile Rng.	None	None

Scientific Name	Common Name	Fed Stat	Cat	Occur	MACOM	Installation	Crit	ESMP
<i>Tetramolopium arenarium</i>	Mauna Kea Pamakani	E	Plant	Onsite	USARPAC	Pohakuloa TA	None	In Preparation
<i>Tetramolopium arenarium arenarium</i>	No Common Name	E	Plant	Onsite Onsite	NGB NGB	Keamuku LTA Pu'u Pa LTA	None None	None None
<i>Tetramolopium filiforme var. polyphyllum</i>	No Common Name	E	Plant	Both	USARPAC	Makua MR	None	In Preparation
<i>Tetramolopium lepidotum ssp. lepidotum</i>	No Common Name	E	Plant	Contig. Contig.	USARPAC USARPAC	Makua MR Schofield Barracks MR	None None	In Preparation In Preparation
<i>Tetraplasandra gymnocarpa</i>	'Ohe'ohe	E	Plant	Both Both Both	USARPAC USARPAC USARPAC	Kahuku TA Kawailoa TA Schofield Barracks MR	None None None	In Preparation In Preparation In Preparation
<i>Thalictrum cooleyi</i>	Cooley's Meadowrue	E	Plant	Contig.	MTMC	Sunny Point	None	None
<i>Trichechus manatus</i>	West Indian Manatee	E	Mammal	Contig.	MTMC	Sunny Point	None	None
<i>Trifolium stoloniferum</i>	Running Buffalo Clover	E	Plant	Both	AMC	Bluegrass Army Depot	None	None
<i>Trillium reliquum</i>	Relict Trillium	E	Plant	Onsite	TRADOC	Ft. Benning	None	In Preparation
<i>Urera kaalae</i>	Opuhe	E	Plant	Both	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Ursus americanus floridanus</i>	Florida Black Bear	C	Mammal	Both	NGB	Camp Blanding TS	NA	NA
<i>Vigna o-wahuensis</i>	No Common Name	E	Plant	Onsite	NGB	Keamuku LTA	None	None
<i>Viola chamissoniana ssp.</i>	Pamakani	E	Plant	Onsite Both	USARPAC USARPAC	Makua MR Schofield Barracks MR	None None	In Preparation In Preparation
<i>Viola oahuensis</i>	No Common Name	PE	Plant	Both Both	USARPAC USARPAC	Kawailoa TA Schofield Barracks MR	NA NA	In Preparation In Preparation
<i>Vireo atricapillus</i>	Black-capped Vireo	E	Bird	Both Both Both Both	NGB FORSCOM MEDCOM TRADOC	Camp Berkeley Ft. Hood Ft. Sam Houston Ft. Sill	None None None None	Completed In Preparation In Preparation In Preparation
<i>Vireo bellii pusillus</i>	Least Bell's Vireo	E	Bird	Onsite Both	NGB USARC	Camp San Luis Obispo Ft. Hunter Liggett	None None	In Preparation None
<i>Vulpes macrotis mutica</i>	San Joaquin Kit Fox	E	Mammal	Both Both Contig.	NGB USARC USARC	Camp Roberts Ft. Hunter Liggett Parks RFT.A	None None None	None In Preparation None
<i>Vulpes velox</i>	Swift Fox	C	Mammal	Both	FORSCOM	Pinon Canyon MS	NA	NA
<i>Xyris tennesseensis</i>	Tennessee Yellow-eyed Grass	E	Plant	Both Both	AMC TRADOC	Anniston Army Depot Ft. McClellan	None None	Completed Completed
<i>Zanthoxylum hawaiiense</i>	A'e	E	Plant	Onsite Both	NGB USARPAC	Keamuku LTA Pohakuloa TA	None None	None In Preparation

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248
12/97